

Table 1. Total Energy Supply and Disposition Summary (1 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Supply, Disposition, and Prices	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Production																									
Crude Oil and Lease Condensate	13.19	12.45	12.48	12.54	12.71	12.64	12.25	11.96	11.54	11.22	11.11	10.90	10.75	10.57	10.53	10.51	10.41	10.45	10.56	10.59	10.54	10.45	10.30	-0.9%	
Natural Gas Plant Liquids	2.49	2.62	2.76	2.75	2.85	2.92	2.96	2.96	3.00	3.03	3.07	3.13	3.21	3.25	3.30	3.36	3.43	3.51	3.56	3.63	3.69	3.73	3.78	1.8%	
Dry Natural Gas	19.19	19.16	19.10	19.07	19.82	20.42	20.75	20.82	21.18	21.41	21.76	22.22	22.85	23.18	23.63	24.13	24.70	25.27	25.72	26.25	26.74	27.07	27.44	1.7%	
Coal	23.76	23.09	23.06	23.37	24.24	24.57	24.72	25.02	25.04	25.33	25.45	25.39	25.48	25.50	25.58	25.66	25.69	25.74	25.83	25.84	25.88	25.97	0.6%		
Nuclear Power	7.19	7.79	7.98	7.86	7.87	7.88	7.89	7.90	7.91	7.88	7.87	7.87	7.68	7.61	7.53	7.31	7.06	6.74	6.55	6.24	6.00	5.91	-1.3%		
Renewable Energy 1/	6.62	6.58	6.41	6.59	6.74	6.78	6.90	7.04	7.17	7.30	7.41	7.47	7.54	7.59	7.65	7.68	7.71	7.74	7.77	7.80	7.84	7.88	7.91	0.9%	
Other 2/	0.65	1.65	1.29	0.56	0.55	0.58	0.58	0.59	0.50	0.40	0.42	0.39	0.31	0.30	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	-7.5%	
Total	73.10	73.35	73.09	72.74	74.76	75.79	76.05	76.30	76.34	76.58	77.09	77.35	77.79	77.98	78.45	78.87	79.28	79.72	80.20	80.66	80.97	81.33	81.64	0.5%	
Imports																									
Crude Oil 3/	18.90	18.96	19.56	20.13	20.41	21.13	21.78	22.53	22.98	23.40	23.58	23.96	24.25	24.52	24.78	24.99	25.35	25.70	25.81	26.00	26.11	26.24	26.43	1.6%	
Petroleum Products 4/	3.99	4.14	4.19	4.36	4.36	4.27	4.43	4.46	4.80	5.23	5.57	5.79	6.01	6.25	6.37	6.52	6.65	6.64	6.79	6.87	7.10	7.36	7.66	3.0%	
Natural Gas	3.22	3.63	3.80	4.02	4.18	4.36	4.61	4.83	4.98	5.10	5.23	5.35	5.48	5.58	5.69	5.81	5.91	6.01	6.09	6.15	6.22	6.29	6.35	2.7%	
Other Imports 5/	0.58	0.62	0.68	0.74	0.91	1.00	0.98	1.04	1.03	1.00	0.94	0.92	0.87	0.88	0.84	0.83	0.84	0.86	0.87	0.89	0.90	0.88	1.7%		
Total	26.69	27.35	28.22	29.25	29.85	30.76	31.80	32.85	33.79	34.73	35.33	36.01	36.61	37.24	37.67	38.16	38.75	39.19	39.55	39.89	40.32	40.79	41.33	2.0%	
Exports																									
Petroleum Products 6/	1.94	1.98	2.00	1.70	1.68	1.78	1.79	1.80	1.76	1.77	1.79	1.80	1.81	1.83	1.83	1.82	1.81	1.82	1.84	1.85	1.87	1.89	1.90	-0.2%	
Natural Gas	0.16	0.17	0.20	0.23	0.26	0.28	0.31	0.33	0.34	0.37	0.39	0.41	0.43	0.45	0.47	0.49	0.51	0.53	0.55	0.57	0.59	0.61	0.63	6.5%	
Coal	1.99	1.48	1.47	1.52	1.51	1.51	1.51	1.51	1.50	1.49	1.48	1.47	1.45	1.43	1.42	1.43	1.43	1.35	1.36	1.37	1.38	1.39	1.41	-0.2%	
Total	4.09	3.62	3.67	3.46	3.46	3.57	3.61	3.63	3.60	3.63	3.66	3.68	3.70	3.71	3.72	3.74	3.76	3.71	3.75	3.79	3.84	3.90	3.94	0.4%	
Discrepancy 7/	0.86	0.94	0.02	-0.25	0.24	0.32	0.38	0.40	0.29	0.24	0.24	0.23	0.26	0.16	0.20	0.18	0.23	0.17	0.20	0.15	0.11	0.07	0.05	N/A	
Consumption																									
Petroleum Products 8/	37.16	38.03	38.13	38.45	38.94	39.47	39.90	40.38	40.90	41.38	41.84	42.28	42.71	43.08	43.44	43.87	44.35	44.81	45.21	45.60	45.97	46.34	46.73	1.0%	
Natural Gas	21.96	21.95	22.56	22.87	23.77	24.52	25.03	25.28	25.75	26.08	26.52	27.06	27.73	28.15	28.70	29.31	29.94	30.59	31.10	31.67	32.21	32.60	33.00	2.0%	
Coal	21.61	21.43	22.16	22.63	23.08	23.43	23.62	23.95	23.97	24.31	24.46	24.41	24.47	24.59	24.61	24.69	24.76	24.91	24.94	25.04	25.05	25.08	25.19	0.8%	
Nuclear Power	7.19	7.79	7.98	7.86	7.87	7.88	7.89	7.90	7.91	7.88	7.87	7.87	7.69	7.61	7.53	7.31	7.06	6.74	6.55	6.24	6.00	5.91	-1.3%		
Renewable Energy 1/	6.63	6.59	6.43	6.59	6.74	6.78	6.91	7.05	7.17	7.31	7.41	7.47	7.54	7.59	7.66	7.68	7.71	7.75	7.78	7.81	7.85	7.89	7.92	0.9%	
Other 9/	0.29	0.34	0.36	0.38	0.52	0.58	0.53	0.55	0.54	0.48	0.41	0.38	0.31	0.31	0.26	0.24	0.23	0.24	0.24	0.25	0.25	0.23	-1.9%		
Total	94.84	96.14	97.62	98.78	100.92	102.65	103.86	105.12	106.24	107.44	108.51	109.46	110.45	111.35	112.21	113.11	114.05	115.03	115.81	116.61	117.34	118.15	118.98	1.0%	
Net Imports - Petroleum	20.95	21.12	21.74	22.78	23.08	23.62	24.42	25.19	26.02	26.86	27.36	27.94	28.45	28.95	29.32	29.69	30.19	30.52	30.76	31.02	31.35	31.71	32.18	2.0%	
Prices (1999 dollars per unit)																									
World Oil Price (dollars per barrel) 10/	12.02	17.35	27.59	23.75	21.35	20.40	20.44	20.49	20.53	20.57	20.61	20.66	20.70	20.75	20.80	20.83	20.89	20.93	20.98	21.04	21.07	21.13	21.16	1.0%	
Gas Wellhead Price (dollars per Mcf) 11/	2.02	2.08	3.32	3.30	2.72	2.41	2.29	2.31	2.33	2.37	2.41	2.44	2.49	2.52	2.54	2.55	2.57	2.59	2.61	2.62	2.64	2.65	2.66	1.2%	
Coal Minemouth Price (dollars per ton)	18.02	16.98	16.32	15.75	15.32	15.07	14.80	14.54	14.41	14.27	14.01	13.85	13.74	13.61	13.52	13.45	13.35	13.23	13.18	13.13	13.10	13.04	12.79	-1.3%	
kilowatthour	6.8	6.7	6.8	6.7	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.7	5.7	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	-0.8%	

1/ Includes grid-connected electricity from conventional hydroelectric; wood and wood waste; landfill gas; municipal solid waste; other biomass; wind; photovoltaic and solar thermal sources; non-electric energy from renewable sources, such as active and passive solar systems, and wood; and both the ethanol and gasoline components of E85, but not the ethanol components of blends less than 85 percent. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table 18 for selected nonmarketed residential and commercial renewable energy.

2/ Includes liquid hydrogen, methanol, supplemental natural gas, and some domestic inputs to refineries.

3/ Includes imports of crude oil for the Strategic Petroleum Reserve.

4/ Includes imports of finished petroleum products, imports of unfinished oils, alcohols, ethers, and blending components.

5/ Includes coal, coal coke (net), and electricity (net).

6/ Includes crude oil and petroleum products.

7/ Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.

Table 1. Total Energy Supply and Disposition Summary (2 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

8/ Includes natural gas plant liquids, crude oil consumed as a fuel, and nonpetroleum based liquids for blending, such as ethanol.
9/ Includes net electricity imports, methanol, and liquid hydrogen.

10/ Average refiner acquisition cost for imported crude oil.

11/ Represents lower 48 onshore and offshore supplies.

Btu = British thermal unit.

Mcf = Thousand cubic feet.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 natural gas values: Energy Information Administration (EIA), Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). 1998 coal minemouth prices: EIA, Coal Industry Annual 1998, DOE/EIA-0584(98) (Washington, DC, June 2000). Other 1998 values: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). 1999 natural gas values: EIA, Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). 1999 petroleum values: EIA, Petroleum Supply Annual 1999, DOE/EIA-0340(99/1) (Washington, DC, June 2000). Other 1999 values: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000) and EIA, Quarterly Coal Report, DOE/EIA-0121(2000/1Q) (Washington, DC, August 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 2. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Energy Consumption																									
Residential																									
Distillate Fuel	0.78	0.86	0.88	0.94	0.93	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.80	0.80	0.79	0.78	0.78	0.77	0.77	0.76	0.76	0.76	-0.6%	
Kerosene	0.11	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-1.7%	
Liquefied Petroleum Gas	0.42	0.46	0.47	0.48	0.48	0.47	0.46	0.45	0.45	0.44	0.43	0.42	0.42	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	-0.7%	
Petroleum Subtotal	1.31	1.42	1.44	1.51	1.50	1.48	1.45	1.42	1.40	1.37	1.35	1.32	1.30	1.29	1.28	1.27	1.26	1.25	1.25	1.24	1.23	1.22	1.22	-0.7%	
Natural Gas	4.67	4.85	4.97	5.14	5.26	5.35	5.43	5.46	5.50	5.54	5.59	5.61	5.64	5.68	5.74	5.76	5.81	5.86	5.92	5.95	6.00	6.05	6.11	1.1%	
Coal	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5%	
Renewable Energy 1/	0.39	0.41	0.39	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.3%	
Electricity	3.85	3.91	3.96	4.05	4.17	4.27	4.38	4.48	4.55	4.63	4.74	4.81	4.89	4.97	5.05	5.11	5.18	5.25	5.33	5.38	5.45	5.53	5.61	1.7%	
Delivered Energy	10.26	10.62	10.79	11.17	11.39	11.57	11.75	11.84	11.94	12.03	12.16	12.22	12.31	12.41	12.55	12.62	12.73	12.84	12.98	13.05	13.16	13.28	13.43	1.1%	
Electricity Related Losses	8.43	8.48	8.53	8.72	8.97	9.16	9.34	9.45	9.45	9.54	9.63	9.70	9.77	9.85	9.91	9.94	9.98	10.07	10.11	10.15	10.19	10.27	10.37	1.0%	
Total	18.70	19.10	19.32	19.89	20.36	20.74	21.08	21.29	21.38	21.57	21.79	21.91	22.08	22.25	22.46	22.56	22.71	22.91	23.09	23.20	23.35	23.55	23.81	1.1%	
Commercial																									
Distillate Fuel	0.42	0.36	0.35	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39	0.38	0.38	0.3%	
Residual Fuel	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.2%	
Kerosene	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.3%	
Liquefied Petroleum Gas	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.7%	
Motor Gasoline 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.5%	
Petroleum Subtotal	0.65	0.59	0.59	0.63	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.64	0.63	0.3%	
Natural Gas	3.10	3.15	3.27	3.38	3.51	3.60	3.65	3.68	3.71	3.73	3.75	3.77	3.79	3.82	3.84	3.86	3.88	3.90	3.91	3.92	3.93	3.93	3.93	1.1%	
Coal	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.4%	
Renewable Energy 3/	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%	
Electricity	3.64	3.70	3.78	3.89	4.01	4.10	4.19	4.28	4.38	4.47	4.57	4.66	4.74	4.82	4.90	4.97	5.03	5.09	5.13	5.18	5.22	5.25	5.28	1.7%	
Delivered Energy	7.54	7.59	7.79	8.04	8.31	8.50	8.64	8.76	8.89	9.01	9.13	9.24	9.33	9.44	9.55	9.64	9.71	9.79	9.85	9.90	9.94	9.98	10.01	1.3%	
Electricity Related Losses	7.99	8.01	8.16	8.37	8.62	8.80	8.92	9.04	9.09	9.22	9.29	9.38	9.46	9.56	9.61	9.67	9.69	9.74	9.73	9.76	9.77	9.76	9.76	0.9%	
Total	15.52	15.61	15.94	16.41	16.92	17.30	17.56	17.80	17.98	18.22	18.41	18.62	18.79	19.00	19.15	19.30	19.41	19.53	19.58	19.65	19.69	19.75	19.77	1.1%	
Industrial 4/																									
Distillate Fuel	1.15	1.07	0.99	0.98	1.01	1.02	1.05	1.09	1.13	1.17	1.18	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.28	0.9%	
Liquefied Petroleum Gas	2.07	2.32	2.37	2.40	2.40	2.40	2.38	2.36	2.35	2.33	2.34	2.36	2.36	2.38	2.40	2.42	2.43	2.44	2.45	2.46	2.47	2.49	2.49	0.3%	
Petrochemical Feedstocks	1.39	1.29	1.31	1.31	1.32	1.34	1.36	1.37	1.40	1.42	1.43	1.43	1.44	1.44	1.45	1.45	1.46	1.46	1.47	1.47	1.48	1.48	1.49	0.7%	
Residual Fuel	0.26	0.22	0.17	0.17	0.21	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.7%	
Motor Gasoline 2/	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.8%	
Other Petroleum 5/	4.08	4.29	4.26	4.20	4.22	4.27	4.30	4.34	4.37	4.41	4.48	4.52	4.55	4.57	4.55	4.57	4.61	4.65	4.69	4.73	4.76	4.80	4.82	0.6%	
Petroleum Subtotal	9.15	9.39	9.31	9.26	9.32	9.45	9.51	9.61	9.70	9.79	9.89	9.95	10.01	10.05	10.07	10.12	10.21	10.28	10.34	10.41	10.46	10.53	10.58	0.6%	
Natural Gas 6/	9.78	9.43	9.66	9.70	9.92	10.09	10.17	10.23	10.38	10.48	10.54	10.60	10.68	10.73	10.82	10.91	10.99	11.07	11.15	11.22	11.29	11.34	11.38	0.9%	
Metallurgical Coal	0.76	0.75	0.79	0.77	0.75	0.73	0.71	0.69	0.66	0.64	0.63	0.62	0.61	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	-1.9%	
Steam Coal	1.79	1.73	1.76	1.74	1.74	1.77	1.78	1.80	1.81	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	0.2%	
Net Coal Coke Imports	0.07	0.06	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.15	0.15	0.16	0.17	0.17	0.17	5.3%	
Coal Subtotal	2.61	2.54	2.61	2.57	2.56	2.59	2.58	2.58	2.57	2.57	2.56	2.55	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.52	2.51	2.51	2.50	2.49	-0.1%
Renewable Energy 7/	2.10	2.15	2.20	2.20	2.25	2.29	2.32	2.35	2.39	2.43	2.46	2.49	2.52	2.54	2.57	2.60	2.63	2.66	2.69	2.71	2.74	2.76	2.78	1.2%	
Electricity	3.55	3.63	3.68	3.62	3.69	3.73	3.73	3.78	3.83	3.86	3.90	3.93	3.97	4.00	4.02	4.06	4.11	4.14	4.18	4.22	4.27	4.31	4.35	0.9%	
Delivered Energy	27.19	27.15	27.46	27.36	27.74	28.14	28.30	28.55	28.87	29.13	29.36	29.53	29.73	29.86	30.02	30.23	30.47	30.68	30.86	31.08	31.25	31.43	31.59	0.7%	
Electricity Related Losses	7.78	7.87	7.93	7.79	7.94	8.00	7.95	7.97	7.94	7.96	7.94	7.93	7.93	7.93	7.93	7.93	7.91	7.92	7.94	7.92	7.96	7.97	8.01	0.1%	
Total	34.96	35.02	35.39	35.15	35.68	36.14	36.26	36.52	36.82	37.09	37.30	37.45	37.66	37.79	37.91	38.14	38.38	38.62	38.78	39.04	39.23	39.44	39.63	0.6%	

Table 2. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Transportation																									
Distillate Fuel	4.97	5.13	5.46	5.50	5.69	5.84	5.94	6.08	6.22	6.34	6.45	6.53	6.63	6.71	6.78	6.87	6.97	7.05	7.14	7.22	7.29	7.36	7.44	1.8%	
Jet Fuel 8/	3.36	3.46	3.54	3.51	3.52	3.60	3.68	3.78	3.88	3.97	4.07	4.17	4.27	4.37	4.48	4.59	4.70	4.81	4.92	5.02	5.12	5.22	5.32	2.1%	
Motor Gasoline 2/	15.59	15.92	15.94	16.27	16.65	16.87	17.12	17.38	17.64	17.88	18.09	18.31	18.50	18.67	18.84	19.02	19.21	19.40	19.55	19.69	19.84	19.98	20.14	1.1%	
Residual Fuel	0.65	0.74	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.7%	
Liquefied Petroleum Gas	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	4.6%	
Other Petroleum 9/	0.22	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.9%	
Petroleum Subtotal	24.80	25.54	26.08	26.43	27.01	27.47	27.91	28.40	28.91	29.36	29.78	30.20	30.59	30.94	31.29	31.67	32.08	32.47	32.82	33.15	33.48	33.79	34.12	1.4%	
Pipeline Fuel Natural Gas	0.65	0.66	0.66	0.65	0.69	0.72	0.74	0.75	0.78	0.79	0.81	0.84	0.87	0.87	0.89	0.90	0.92	0.94	0.95	0.97	0.98	0.99	1.00	2.0%	
Compressed Natural Gas	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	11.3%	
Renewable Energy (E85) 10/	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	7.0%	
Methanol (M85) 11/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.0%	
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Electricity	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.09	0.08	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	4.8%	
Delivered Energy	25.53	26.28	26.84	27.19	27.82	28.32	28.80	29.32	29.87	30.35	30.81	31.26	31.69	32.06	32.44	32.85	33.28	33.71	34.08	34.44	34.79	35.12	35.48	1.4%	
Electricity Related Losses	0.13	0.13	0.13	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	0.29	4.0%	
Total	25.66	26.41	26.97	27.32	27.95	28.47	28.97	29.51	30.06	30.55	31.02	31.48	31.92	32.30	32.69	33.10	33.55	33.98	34.36	34.72	35.08	35.41	35.77	1.5%	
Sectors																									
Distillate Fuel	7.32	7.42	7.68	7.81	8.03	8.18	8.30	8.46	8.63	8.77	8.87	8.94	9.03	9.11	9.19	9.27	9.37	9.47	9.56	9.64	9.71	9.78	9.86	1.4%	
Kerosene	0.16	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	-1.0%	
Jet Fuel 8/	3.36	3.46	3.54	3.51	3.52	3.60	3.68	3.78	3.88	3.97	4.07	4.17	4.27	4.37	4.48	4.59	4.70	4.81	4.92	5.02	5.12	5.22	5.32	2.1%	
Liquefied Petroleum Gas	2.58	2.88	2.95	2.99	2.98	2.99	2.96	2.94	2.93	2.90	2.89	2.90	2.91	2.93	2.94	2.97	2.98	2.99	3.00	3.01	3.02	3.04	3.03		
Motor Gasoline 2/	15.82	16.17	16.18	16.51	16.89	17.12	17.37	17.63	17.89	18.13	18.34	18.57	18.76	18.93	19.10	19.28	19.47	19.67	19.82	19.97	20.12	20.26	20.42	1.1%	
Petrochemical Feedstocks	1.39	1.29	1.31	1.31	1.32	1.34	1.36	1.37	1.40	1.42	1.43	1.44	1.44	1.45	1.46	1.46	1.47	1.47	1.48	1.48	1.49	1.49	1.49	0.7%	
Residual Fuel	1.00	1.05	1.11	1.11	1.12	1.15	1.15	1.16	1.17	1.18	1.18	1.19	1.19	1.19	1.19	1.19	1.19	1.20	1.20	1.20	1.20	1.20	1.20	0.6%	
Other Petroleum 12/	4.27	4.53	4.51	4.45	4.47	4.53	4.55	4.60	4.64	4.67	4.75	4.79	4.82	4.84	4.85	4.89	4.94	4.98	5.02	5.05	5.09	5.12	5.12	0.6%	
Petroleum Subtotal	35.90	36.95	37.42	37.83	38.47	39.05	39.52	40.08	40.67	41.18	41.67	42.12	42.55	42.93	43.29	43.71	44.19	44.65	45.05	45.44	45.81	46.18	46.56	1.1%	
Natural Gas 6/	18.21	18.11	18.58	18.90	19.41	19.79	20.03	20.18	20.43	20.61	20.77	20.90	21.06	21.19	21.38	21.54	21.71	21.88	22.05	22.19	22.33	22.45	22.58	1.1%	
Metallurgical Coal	0.76	0.75	0.79	0.77	0.75	0.73	0.71	0.69	0.66	0.64	0.63	0.62	0.61	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	-1.9%	
Steam Coal	1.90	1.84	1.87	1.86	1.85	1.89	1.90	1.92	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	0.2%	
Net Coal Coke Imports	0.07	0.06	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.17	5.3%	
Coal Subtotal	2.72	2.65	2.72	2.68	2.67	2.70	2.69	2.70	2.69	2.69	2.68	2.68	2.67	2.67	2.66	2.66	2.66	2.64	2.63	2.62	2.61	2.61	2.61	-0.1%	
Renewable Energy 13/	2.58	2.65	2.68	2.72	2.77	2.82	2.85	2.89	2.93	2.96	3.00	3.03	3.06	3.09	3.12	3.15	3.18	3.21	3.24	3.27	3.29	3.31	3.34	1.1%	
Methanol (M85) 11/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.0%	
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Electricity	11.10	11.29	11.48	11.63	11.93	12.18	12.39	12.63	12.85	13.07	13.31	13.51	13.72	13.91	14.10	14.45	14.62	14.79	14.93	15.09	15.24	15.41	1.5%		
Delivered Energy	70.51	71.65	72.88	73.76	75.26	76.54	77.49	78.48	79.56	80.52	81.45	82.23	83.07	83.78	84.55	85.34	86.19	87.01	87.77	88.46	89.14	89.81	90.51	1.1%	
Electricity Related Losses	24.33	24.49	24.74	25.02	25.66	26.12	26.38	26.64	26.68	26.92	27.07	27.23	27.38	27.57	27.65	27.77	27.85	28.02	28.04	28.15	28.20	28.34	28.47	0.7%	
Total	94.84	96.14	97.62	98.78	100.92	102.65	103.86	105.12	106.24	107.44	108.51	109.46	110.45	111.35	112.21	113.11	114.05	115.03	115.81	116.61	117.34	118.15	118.98	1.0%	
Electric Generators 14/																									
Distillate Fuel	0.12	0.06	0.05	0.07	0.06	0.06	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.9%	
Residual Fuel	1.14	1.03	0.66	0.55	0.41	0.36	0.32	0.25	0.19	0.16	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	-9.6%	
Petroleum Subtotal	1.26	1.08	0.72	0.62	0.47	0.42	0.37	0.30	0.23	0.20	0.17	0.16	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	-8.6%	
Natural Gas	3.75	3.85	3.98	3.97	4.37	4.72	4.99	5.10	5.32	5.46	5.75	6.16	6.66	6.96	7.32	7.76	8.22	8.70	9.05	9.48	9.88	10.14	10.42	4.8%	
Steam Coal	18.89	18.78	19.45	19.94	20.41	20.73	20.93	21.26	21.28	21.62	21.77	21.73	21.93	21.94	22.03	22.10	22.27	22.30	22.42	22.43	22.46	22.58	0.9%		
Nuclear Power	7.19	7.79	7.98	7.86	7.87	7.88	7.91	7.88	7.87																

Table 2. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Total Energy Consumption																								
Distillate Fuel	7.44	7.48	7.73	7.88	8.09	8.24	8.36	8.50	8.67	8.80	8.91	8.98	9.07	9.15	9.23	9.31	9.41	9.51	9.59	9.68	9.75	9.82	9.90	1.3%
Kerosene	0.16	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	-1.0%
Jet Fuel 1/	3.36	3.46	3.54	3.51	3.52	3.60	3.68	3.78	3.88	3.97	4.07	4.17	4.27	4.37	4.48	4.59	4.70	4.81	4.92	5.02	5.12	5.22	5.32	2.1%
Liquefied Petroleum Gas	2.58	2.88	2.95	2.99	2.98	2.99	2.96	2.94	2.93	2.90	2.89	2.90	2.91	2.91	2.94	2.97	2.98	2.99	3.00	3.01	3.02	3.04	3.04	0.3%
Motor Gasoline 2/	15.82	16.17	16.18	16.51	16.89	17.12	17.37	17.63	17.89	18.13	18.34	18.57	18.76	18.93	19.10	19.28	19.47	19.67	19.82	19.97	20.12	20.26	20.42	1.1%
Petrochemical Feedstocks	1.39	1.29	1.31	1.31	1.32	1.34	1.36	1.37	1.40	1.42	1.43	1.43	1.44	1.44	1.45	1.46	1.46	1.47	1.47	1.48	1.48	1.49	1.49	0.7%
Residual Fuel	2.14	2.08	1.77	1.66	1.52	1.51	1.47	1.42	1.36	1.35	1.32	1.31	1.31	1.30	1.31	1.31	1.31	1.32	1.32	1.32	1.32	1.32	1.33	-2.1%
Other Petroleum 12/	4.27	4.53	4.51	4.45	4.47	4.53	4.55	4.60	4.64	4.67	4.75	4.79	4.82	4.84	4.83	4.85	4.89	4.94	4.98	5.02	5.05	5.09	5.12	0.6%
Petroleum Subtotal	37.16	38.03	38.13	38.45	38.94	39.47	39.90	40.38	40.90	41.38	41.84	42.28	42.71	43.08	43.44	43.87	44.35	44.81	45.21	45.60	45.97	46.34	46.73	1.0%
Natural Gas	21.96	21.95	22.56	22.87	23.77	24.52	25.03	25.28	25.75	26.08	26.52	27.06	27.73	28.15	28.70	29.31	29.94	30.59	31.10	31.67	32.21	32.60	33.00	2.0%
Metalurgical Coal	0.76	0.75	0.79	0.77	0.75	0.73	0.71	0.69	0.66	0.64	0.63	0.62	0.61	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	-1.9%
Steam Coal	20.79	20.62	21.31	21.80	22.26	22.62	22.83	23.17	23.21	23.56	23.71	23.67	23.73	23.87	23.88	23.97	24.05	24.21	24.24	24.36	24.37	24.40	24.52	0.8%
Net Coal Coke Imports	0.07	0.06	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.17	5.3%
Coal Subtotal	21.61	21.43	22.16	22.63	23.08	23.43	23.62	23.95	23.97	24.31	24.46	24.41	24.47	24.59	24.61	24.69	24.76	24.91	24.94	25.04	25.05	25.08	25.19	0.8%
Nuclear Power	7.19	7.79	7.98	7.86	7.87	7.88	7.89	7.90	7.91	7.88	7.87	7.87	7.69	7.61	7.53	7.31	7.06	6.74	6.55	6.24	6.00	5.91	5.91	-1.3%
Renewable Energy 17/	6.63	6.59	6.43	6.59	6.74	6.78	6.91	7.05	7.17	7.31	7.41	7.47	7.54	7.59	7.66	7.68	7.72	7.75	7.78	7.81	7.85	7.89	7.92	0.9%
Methanol (M85) 11/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.0%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Electricity Imports 16/	0.29	0.34	0.35	0.38	0.52	0.57	0.52	0.55	0.53	0.48	0.41	0.37	0.31	0.31	0.25	0.24	0.22	0.24	0.24	0.24	0.25	0.25	0.22	-2.0%
Total	94.84	96.14	97.62	98.78	100.92	102.65	103.86	105.12	106.24	107.44	108.52	109.46	110.45	111.35	112.21	113.11	114.05	115.03	115.81	116.61	117.34	118.15	118.98	1.0%
Energy Use and Related Statistics																								
Delivered Energy Use	70.51	71.65	72.88	73.76	75.26	76.54	77.49	78.48	79.56	80.52	81.45	82.23	83.07	83.78	84.55	85.34	86.19	87.01	87.77	88.46	89.14	89.81	90.51	1.1%
Total Energy Use	94.84	96.14	97.62	98.78	100.92	102.65	103.86	105.12	106.24	107.44	108.52	109.46	110.45	111.35	112.21	113.11	114.05	115.03	115.81	116.61	117.34	118.15	118.98	1.0%
Population (millions)	270.61	273.13	275.62	276.45	278.34	280.21	282.04	283.84	285.63	287.40	289.15	290.91	292.66	294.41	296.19	297.98	299.78	301.58	303.39	305.20	307.01	308.80	310.66	0.6%
US GDP (billion 1996 dollars)	8516	8876	9338	9490	9804	10082	10339	10619	10879	11153	11440	11714	12000	12282	12590	12900	13215	13495	13752	14020	14269	14515	14757	2.5%
Carbon Dioxide Emissions (Mmtce)	1495.4	1510.8	1535.4	1558.4	1591.6	1619.7	1639.5	1660.4	1676.6	1698.4	1716.7	1731.2	1750.0	1766.2	1781.0	1799.4	1818.7	1840.1	1855.1	1873.2	1887.8	1900.5	1916.4	1.1%

1/ Includes wood used for residential heating. See Table 18 for estimates of nonmarketed renewable energy consumption for geothermal heat pumps, solar thermal hot water heating, and solar photovoltaic electricity generation.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

4/ Fuel consumption includes consumption for cogeneration, which produces electricity and other useful thermal energy.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Includes only kerosene type.

9/ Includes aviation gas and lubricants.

10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

11/ M85 is 85 percent methanol and 15 percent motor gasoline.

12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

14/ Includes consumption of energy by all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

16/ In 1998 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity). EIA does not project future proportions for the fuel source of imported electricity.

17/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

Btu = British thermal unit.

Mmtce = Million metric tons carbon equivalent

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1998 natural gas lease, plant, and pipeline fuel values: Energy Information Administration (EIA), Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). 1998 and 1999 electric utility fuel

consumption: EIA, Electric Power Annual 1998, Volume I, DOE/EIA-0348(98)/1 (Washington, DC, April 1999). 1998 and 1999 nonutility consumption estimates: EIA, Form EIA-860B, "Annual Electric Generator Report - Nonutility."

Other 1998 values: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Other 1999 values: EIA, Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>.

Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 3. Energy Prices by Sector and Source (1 of 2)
(1999 Dollars per Million Btu, Unless Otherwise Noted)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Residential	13.64	13.17	13.84	13.82	13.18	12.87	12.77	12.67	12.72	12.72	12.71	12.73	12.81	12.76	12.74	12.75	12.78	12.79	12.82	12.83	12.81	12.82	-0.1%		
Primary Energy 1/	6.87	6.72	7.85	8.11	7.53	7.17	7.01	6.95	6.87	6.87	6.85	6.82	6.80	6.78	6.75	6.73	6.70	6.67	6.65	6.63	6.62	6.61	6.61	-0.1%	
Petroleum Products 2/	7.53	7.55	10.30	9.72	9.24	9.03	9.07	9.07	8.89	9.04	9.09	9.08	9.05	9.07	9.08	9.11	9.09	9.06	9.04	9.06	9.09	9.10	9.08	0.9%	
Distillate Fuel	6.25	6.27	9.10	7.69	7.37	7.19	7.23	7.26	7.16	7.27	7.30	7.30	7.31	7.34	7.31	7.37	7.41	7.40	7.41	7.43	7.47	7.49	7.49	0.8%	
Liquefied Petroleum Gas	10.45	10.36	12.94	13.80	12.95	12.68	12.71	12.65	12.29	12.51	12.63	12.60	12.47	12.46	12.56	12.53	12.37	12.30	12.23	12.25	12.26	12.24	12.18	0.8%	
Natural Gas	6.74	6.52	7.19	7.70	7.10	6.71	6.51	6.45	6.41	6.38	6.36	6.34	6.33	6.31	6.28	6.26	6.22	6.21	6.19	6.17	6.16	6.15	6.15	-0.3%	
Electricity	24.24	23.60	23.62	23.24	22.39	22.05	21.89	21.51	21.65	21.50	21.35	21.30	21.39	21.22	21.12	21.09	21.15	21.10	21.10	21.13	21.12	21.03	20.99	-0.6%	
Commercial	13.53	13.25	13.90	13.75	13.02	12.58	12.36	12.05	11.79	11.55	11.36	11.29	11.34	11.26	11.23	11.25	11.31	11.31	11.34	11.38	11.41	11.39	11.41	-0.7%	
Primary Energy 1/	5.26	5.22	5.86	6.09	5.59	5.30	5.20	5.20	5.24	5.27	5.30	5.34	5.33	5.32	5.31	5.30	5.30	5.31	5.31	5.31	5.31	5.31	5.32	0.1%	
Petroleum Products 2/	4.66	5.00	7.23	6.49	6.07	5.88	5.91	5.92	5.81	5.92	5.95	5.94	5.93	5.95	5.94	5.98	5.97	5.96	5.98	6.02	6.02	6.02	6.02	0.9%	
Distillate Fuel	4.01	4.37	6.58	5.49	5.17	4.99	5.02	5.05	4.95	5.06	5.08	5.08	5.09	5.11	5.09	5.14	5.18	5.17	5.17	5.19	5.23	5.24	5.25	0.9%	
Residual Fuel	2.42	2.63	4.36	4.14	3.74	3.59	3.59	3.58	3.58	3.58	3.59	3.59	3.60	3.60	3.61	3.62	3.63	3.64	3.64	3.65	3.65	3.65	3.65	1.6%	
Natural Gas 3/	5.47	5.34	5.70	6.11	5.58	5.27	5.14	5.14	5.16	5.19	5.23	5.26	5.31	5.30	5.29	5.28	5.27	5.26	5.26	5.26	5.26	5.27	5.28	-0.1%	
Electricity	22.17	21.54	22.22	21.76	20.83	20.22	19.82	19.07	18.46	17.83	17.31	17.08	17.05	16.84	16.73	16.72	16.80	16.77	16.78	16.84	16.84	16.76	16.76	-1.2%	
Industrial 4/	4.97	5.33	6.32	6.19	5.72	5.46	5.39	5.32	5.20	5.19	5.17	5.16	5.16	5.17	5.19	5.19	5.19	5.21	5.24	5.25	5.26	5.26	5.26	-0.1%	
Primary Energy	3.51	3.92	4.99	4.90	4.42	4.17	4.12	4.11	4.04	4.10	4.12	4.12	4.13	4.16	4.17	4.17	4.16	4.16	4.16	4.20	4.21	4.21	4.21	0.3%	
Petroleum Products 2/	4.79	5.55	6.84	6.67	6.12	5.86	5.86	5.84	5.68	5.76	5.78	5.75	5.70	5.71	5.76	5.78	5.75	5.71	5.67	5.69	5.72	5.71	5.70	0.1%	
Distillate Fuel	4.11	4.65	6.71	5.64	5.33	5.15	5.18	5.22	5.13	5.23	5.25	5.25	5.26	5.29	5.27	5.32	5.36	5.35	5.36	5.38	5.42	5.43	5.44	0.7%	
Liquefied Petroleum Gas	7.27	8.50	8.24	8.99	8.12	7.82	7.83	7.75	7.36	7.53	7.60	7.54	7.39	7.26	7.52	7.49	7.35	7.26	7.17	7.19	7.22	7.21	7.15	-0.8%	
Residual Fuel	2.56	2.78	4.09	3.86	3.47	3.32	3.31	3.31	3.31	3.31	3.31	3.31	3.32	3.33	3.33	3.34	3.35	3.35	3.36	3.37	3.37	3.38	3.39	0.9%	
Natural Gas 5/	2.73	2.79	4.00	3.98	3.44	3.13	3.01	3.00	3.01	3.03	3.06	3.08	3.12	3.14	3.15	3.17	3.18	3.20	3.22	3.23	3.25	3.27	3.29	0.8%	
Metallurgical Coal	1.73	1.65	1.66	1.65	1.63	1.61	1.59	1.58	1.58	1.57	1.56	1.54	1.53	1.51	1.50	1.49	1.47	1.47	1.46	1.45	1.44	1.43	1.43	-0.7%	
Steam Coal	1.45	1.43	1.41	1.39	1.37	1.36	1.35	1.33	1.33	1.32	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.22	1.21	1.19	1.19	-0.9%	
Electricity	13.34	13.09	13.66	13.42	12.92	12.62	12.45	11.99	11.62	11.24	10.97	10.85	10.86	10.74	10.66	10.65	10.67	10.67	10.65	10.70	10.71	10.67	10.69	-1.0%	
Transportation	7.70	8.30	10.58	9.64	9.29	9.11	9.16	9.15	9.19	9.21	9.21	9.19	9.19	9.11	9.03	9.06	9.03	8.99	8.99	8.97	8.93	8.92	8.92	0.3%	
Primary Energy	7.68	8.29	10.57	9.63	9.28	9.10	9.14	9.13	9.17	9.19	9.20	9.17	9.17	9.09	9.01	9.01	9.05	9.01	8.97	8.98	8.95	8.91	8.90	0.3%	
Petroleum Products 2/	7.68	8.28	10.57	9.63	9.28	9.10	9.14	9.13	9.17	9.19	9.19	9.17	9.17	9.09	9.01	9.04	9.01	8.97	8.97	8.95	8.91	8.90	0.3%		
Distillate Fuel 6/	7.66	8.22	10.45	9.23	8.91	8.73	8.77	8.76	8.65	8.69	8.69	8.66	8.65	8.64	8.57	8.62	8.64	8.60	8.58	8.55	8.56	8.53	8.50	0.2%	
Jet Fuel 7/	4.13	4.70	6.57	5.47	5.15	5.01	5.08	5.13	5.11	5.18	5.21	5.24	5.24	5.24	5.18	5.25	5.29	5.30	5.32	5.43	5.44	5.44	5.44	0.7%	
Motor Gasoline 8/	8.74	9.45	11.96	11.06	10.67	10.48	10.53	10.52	10.63	10.63	10.64	10.61	10.62	10.50	10.42	10.40	10.45	10.42	10.37	10.36	10.33	10.28	10.27	0.4%	
Residual Fuel	2.29	2.46	3.74	3.59	3.20	3.04	3.05	3.05	3.05	3.06	3.07	3.07	3.08	3.09	3.10	3.10	3.11	3.12	3.12	3.13	3.13	3.13	3.13	1.2%	
Liquefied Petroleum Gas 9/	11.23	12.87	14.46	15.11	14.33	14.10	14.08	13.99	13.64	13.78	13.87	13.80	13.65	13.61	13.67	13.61	13.44	13.38	13.30	13.30	13.22	13.18	13.08	0.1%	
Natural Gas 10/	6.40	7.02	7.94	7.75	7.15	6.79	6.63	6.61	6.63	6.66	6.69	6.72	6.76	6.79	6.80	6.81	6.81	6.80	6.79	6.78	6.77	6.77	6.77	-0.2%	
Ethanol (E85) 11/	14.25	14.42	16.92	18.58	17.98	19.04	19.02	19.08	18.98	18.99	18.92	19.03	19.06	19.10	19.16	19.25	19.30	19.06	19.13	19.19	19.24	18.46	1.2%		
Methanol (M85) 12/	8.93	10.38	13.45	14.09	13.21	12.69	12.57	12.55	12.77	12.84	12.86	13.43	13.50	13.46	13.69	13.68	13.69	13.99	13.97	13.97	13.95	13.93	13.92	1.4%	
Electricity	15.86	15.57	16.08	15.70	15.22	14.82	14.54	14.29	13.94	13.61	13.45	13.44	13.39	13.13	13.00	12.94	12.96	12.78	12.81	12.74	12.71	12.64	12.58	-1.0%	
Average End-Use Energy	8.26	8.55	9.96	9.57	9.11	8.86	8.82	8.75	8.70	8.68	8.66	8.65	8.67	8.63	8.60	8.61	8.65	8.64	8.63	8.65	8.66	8.64	8.65	0.1%	
Primary Energy	5.89	6.33	7.94	7.54	7.11	6.88	6.87	6.87	6.86	6.90	6.92	6.93	6.90	6.88	6.91	6.89	6.88	6.89	6.89	6.88	6.88	6.88	6.88	0.4%	
Electricity	20.03	19.50	19.93	19.65	18.90	18.50	18.30	17.79	17.52	17.15	16.86	16.74	16.78	16.62	16.54	16.52	16.58	16.56	16.57	16.61	16.61	16.54	16.54	-0.8%	
Electric Generators 13/																									
Fossil Fuel Average	1.50	1.49	1.73	1.67	1.57	1.51	1.48	1.46	1.45	1.44	1.44	1.45	1.45	1.48	1.49	1.51	1.53	1.55	1.57	1.59	1.61	1.63	1.64	1.65	0.5%
Petroleum Products	2.32	2.50	4.22	4.04	3.69	3.55	3.60	3.64	3.74	3.82	3.90	3.96	3.98	4.03	4.04	4.05	4.08	4.06	4.08	4.10	4.13	4.12	4.12	4.2%	
Distillate Fuel	3.25	4.05	6.11	4.97	4.67	4.50	4.53	4.58	4.51	4.62	4.64	4.64	4.65	4.67	4.66	4.71	4.75	4.74	4.75	4.76	4.80	4.81	4.82	0.8%	
Residual Fuel	2.22	2.42	4.07	3.92	3.54	3.40	3.43	3.47	3.57	3.63	3.69	3.76	3.77	3.81	3.83	3.85	3.84	3.87	3.88	3.89	3.91	3.90	3.90	2.3%	
Natural Gas	2.41	2.55	3.90	3.74	3.19	2.87	2.74	2.70	2.73	2.74	2.78	2.81	2.84	2.87	2.90	2.93	2.96	2.99	3.02	3.05	3.07	3.10	3.11	1.0%	
Steam Coal	1.27	1.21	1.20	1.19	1.18	1.16	1.14	1.13	1.11	1.09	1.07	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.96	0.96	0.96	-1.1%		

Table 3. Energy Prices by Sector and Source (2 of 2)
(1999 Dollars per Million Btu, Unless Otherwise Noted)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Average Price to All Users 14/																								
Petroleum Products 2/	6.81	7.44	9.55	8.85	8.47	8.28	8.32	8.33	8.32	8.37	8.38	8.37	8.35	8.31	8.26	8.27	8.29	8.26	8.23	8.24	8.23	8.20	8.19	0.5%
Distillate Fuel	6.68	7.27	9.61	8.38	8.07	7.90	7.94	7.95	7.85	7.91	7.92	7.91	7.91	7.86	7.92	7.95	7.92	7.91	7.90	7.92	7.90	7.89	0.4%	
Jet Fuel	4.13	4.70	6.57	5.47	5.15	5.01	5.08	5.13	5.11	5.18	5.21	5.24	5.24	5.18	5.25	5.29	5.30	5.32	5.43	5.44	5.45	5.44	5.44	0.7%
Liquefied Petroleum Gas	7.87	8.84	9.13	9.90	9.04	8.74	8.75	8.67	8.29	8.47	8.53	8.47	8.31	8.30	8.42	8.38	8.23	8.14	8.06	8.07	8.10	8.08	8.02	-0.5%
Motor Gasoline 8/	8.74	9.45	11.96	11.06	10.67	10.48	10.53	10.51	10.63	10.63	10.64	10.61	10.62	10.50	10.42	10.40	10.45	10.42	10.37	10.36	10.33	10.27	10.27	0.4%
Residual Fuel	2.29	2.48	3.93	3.76	3.36	3.20	3.21	3.20	3.21	3.21	3.22	3.23	3.24	3.24	3.25	3.26	3.26	3.27	3.28	3.29	3.29	3.29	3.29	1.4%
Natural Gas	4.02	4.05	5.02	5.19	4.62	4.28	4.12	4.10	4.09	4.09	4.10	4.10	4.10	4.09	4.08	4.07	4.07	4.07	4.06	4.07	4.07	4.07	4.08	0.0%
Coal	1.29	1.23	1.22	1.20	1.19	1.18	1.16	1.14	1.13	1.11	1.09	1.07	1.06	1.05	1.05	1.04	1.03	1.02	1.01	1.00	1.00	0.98	0.98	-1.1%
Ethanol (E85) 11/	14.25	14.42	16.92	18.58	17.98	19.04	19.02	19.08	18.99	18.99	18.92	19.03	19.06	19.10	19.16	19.25	19.30	19.06	19.13	19.19	19.24	18.46	1.2%	
Methanol (M85) 12/	8.93	10.38	13.45	14.09	13.21	12.69	12.57	12.55	12.77	12.84	12.86	13.43	13.50	13.46	13.69	13.68	13.69	13.99	13.97	13.97	13.95	13.93	13.92	1.4%
Electricity	20.03	19.50	19.93	19.65	18.90	18.50	18.30	17.79	17.52	17.15	16.86	16.74	16.78	16.62	16.54	16.52	16.58	16.56	16.57	16.61	16.61	16.54	16.54	-0.8%
Non-Renewable Energy Expenditures by Sector (billion 1999 dollars)																								
Residential	134.68	134.60	144.05	148.49	144.56	143.51	144.58	144.53	146.30	147.46	149.03	150.10	152.22	152.90	154.39	155.42	157.16	158.61	160.45	161.72	163.32	164.61	166.63	1.0%
Commercial	100.85	99.50	107.08	109.44	107.07	105.83	105.71	104.57	103.85	103.10	102.70	103.37	104.86	105.42	106.23	107.45	108.90	109.78	110.69	111.74	112.46	112.70	113.21	0.6%
Industrial	104.61	110.90	132.14	128.33	120.26	116.28	115.02	114.14	112.84	113.35	113.49	113.58	114.35	114.56	115.39	116.46	117.42	118.15	118.67	119.98	121.20	121.91	122.76	0.5%
Transportation	191.50	212.63	276.81	255.62	251.82	251.23	256.62	261.05	266.84	271.67	275.81	278.97	282.57	283.48	284.22	287.80	292.68	295.27	297.24	300.34	302.65	304.04	306.62	1.8%
Total Non-Renewable Expenditures	531.64	557.64	660.08	641.88	623.71	616.85	621.94	624.29	629.83	635.58	641.03	646.02	654.00	656.37	660.23	667.14	676.17	681.81	687.05	693.77	699.62	703.25	709.23	1.2%
Transportation Renewable Expenditures	0.09	0.14	0.26	0.24	0.28	0.31	0.36	0.40	0.44	0.47	0.51	0.54	0.57	0.59	0.61	0.64	0.66	0.69	0.70	0.72	0.74	0.75	0.74	8.2%
Total Expenditures	531.73	557.78	660.34	642.12	623.99	617.17	622.30	624.69	630.26	636.05	641.54	646.56	654.57	656.96	660.84	667.77	676.83	682.50	687.75	694.49	700.36	704.00	709.96	1.2%

1/ Weighted average price includes fuels below as well as coal.

2/ This quantity is the weighted average for all petroleum products, not just those listed below.

3/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Low sulfur diesel fuel. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales-weighted-average price for all grades. Includes Federal and State taxes and excludes county and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 prices for gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1998,

ftp://ftp.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/historical/1998/pdf/pmaall.pdf (October 1999). 1999 prices for gasoline, distillate, and jet fuel are based on prices in various issues of EIA,

Petroleum Marketing Monthly, DOE/EIA-0380(99/03-2000/04) (Washington, DC, 1999-2000). 1998 and 1999 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997,

DOE/EIA-0376(97) (Washington, DC, July 2000). 1998 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). 1998 electric

generators natural gas delivered prices: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 1998 and 1999 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey

1994. 1999 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). 1999 and 1999 coal prices based on EIA, Quarterly Coal Report,

DOE/EIA-0121(2000/10) (Washington, DC, August 2000) and EIA, AEO2000 National Energy Modeling System run AEO2001.D101600A. 1998 residential electricity prices derived from EIA, Short-Term Energy Outlook, September

2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>. 1998 and 1999 electricity prices for commercial, industrial, and transportation: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 4. Residential Sector Key Indicators and Consumption (1 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Table 4. Residential Sector Key Indicators and Consumption (2 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Key Indicators and Consumption	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Marketed Renewables (wood) 5/	0.39	0.41	0.39	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.3%	
Other Fuels 6/	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	-0.9%	
Delivered Energy Consumption by End-Use																								
Space Heating	4.90	5.18	5.24	5.59	5.67	5.73	5.77	5.77	5.79	5.79	5.81	5.79	5.80	5.82	5.86	5.88	5.91	5.94	5.98	6.00	6.04	6.08	6.14	0.8%
Space Cooling	0.56	0.52	0.52	0.51	0.53	0.54	0.55	0.56	0.57	0.58	0.60	0.61	0.62	0.63	0.64	0.65	0.67	0.68	0.69	0.70	0.72	0.73	0.74	1.7%
Water Heating	1.87	1.89	1.92	1.90	1.94	1.96	1.99	1.99	2.00	2.01	2.02	2.02	2.03	2.04	2.05	2.05	2.06	2.06	2.07	2.07	2.08	2.08	2.09	0.5%
Refrigeration	0.44	0.43	0.41	0.41	0.40	0.39	0.38	0.37	0.36	0.36	0.35	0.34	0.34	0.33	0.33	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.31	-1.5%
Cooking	0.32	0.32	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	1.1%
Clothes Dryers	0.28	0.28	0.28	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.39	1.5%
Freezers	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-1.7%
Lighting	0.33	0.34	0.34	0.35	0.37	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.49	0.50	0.50	0.51	1.9%
Clothes Washers	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.0%
Dishwashers	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	1.0%
Color Televisions	0.12	0.12	0.12	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.23	0.23	3.1%
Personal Computers	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	2.6%
Furnace Fans	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.9%
Other Uses 7/	1.14	1.23	1.31	1.35	1.41	1.47	1.53	1.58	1.62	1.67	1.73	1.78	1.83	1.88	1.92	1.96	2.01	2.05	2.09	2.13	2.16	2.20	2.25	2.9%
Delivered Energy	10.26	10.62	10.79	11.17	11.39	11.57	11.75	11.84	11.94	12.03	12.16	12.22	12.31	12.41	12.55	12.62	12.73	12.84	12.98	13.05	13.16	13.28	13.43	1.1%
Electricity Related Losses	8.43	8.48	8.53	8.72	8.97	9.16	9.34	9.45	9.45	9.54	9.63	9.70	9.77	9.85	9.91	9.94	9.98	10.07	10.11	10.15	10.19	10.27	10.37	1.0%
Total Energy Consumption by End-Use																								
Space Heating	5.71	6.01	6.05	6.47	6.57	6.64	6.69	6.69	6.70	6.70	6.72	6.71	6.71	6.74	6.78	6.79	6.82	6.85	6.89	6.91	6.95	6.99	7.06	0.8%
Space Cooling	1.79	1.64	1.64	1.62	1.66	1.70	1.73	1.75	1.76	1.78	1.80	1.83	1.85	1.87	1.90	1.92	1.94	1.97	2.00	2.02	2.05	2.08	2.11	1.2%
Water Heating	2.74	2.75	2.76	2.74	2.79	2.83	2.86	2.86	2.86	2.87	2.88	2.88	2.88	2.89	2.88	2.88	2.88	2.88	2.88	2.88	2.87	2.87	2.86	0.2%
Refrigeration	1.41	1.35	1.30	1.28	1.25	1.22	1.19	1.15	1.12	1.09	1.06	1.03	1.01	0.99	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.89	0.89	-2.0%
Cooking	0.54	0.54	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.7%	
Clothes Dryers	0.75	0.75	0.75	0.76	0.78	0.79	0.81	0.82	0.82	0.83	0.84	0.85	0.85	0.86	0.87	0.87	0.88	0.89	0.89	0.89	0.90	0.91	0.9%	
Freezers	0.39	0.37	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.26	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-2.2%	
Lighting	1.06	1.08	1.07	1.11	1.16	1.20	1.23	1.27	1.28	1.31	1.33	1.35	1.37	1.38	1.40	1.40	1.41	1.42	1.42	1.42	1.43	1.44	1.45	1.4%
Clothes Washers	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.5%	
Dishwashers	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.5%	
Color Televisions	0.37	0.38	0.39	0.41	0.43	0.46	0.48	0.51	0.51	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	2.6%
Personal Computers	0.17	0.20	0.21	0.22	0.24	0.26	0.27	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.32	2.1%
Furnace Fans	0.23	0.24	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.32	1.4%
Other Uses 7/	3.37	3.62	3.85	3.99	4.17	4.34	4.50	4.64	4.73	4.86	5.00	5.11	5.24	5.35	5.46	5.54	5.64	5.75	5.83	5.91	5.98	6.08	6.18	2.6%
Total	18.70	19.10	19.32	19.89	20.36	20.74	21.08	21.29	21.38	21.57	21.79	21.91	22.08	22.25	22.46	22.56	22.71	22.91	23.09	23.20	23.35	23.55	23.81	1.1%
Non-Marketed Renewables																								
Geothermal 8/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.5%
Solar 9/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5%
Total	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.1%

1/ Does not include electric water heating portion of load.

2/ Includes small electric devices, heating elements, and motors.

3/ Includes such appliances as swimming pool heaters, outdoor grills, and outdoor lighting (natural gas).

4/ Includes such appliances as swimming pool and hot tub heaters.

5/ Includes wood used for primary and secondary heating in wood stoves or fireplaces as reported in the Residential Energy Consumption Survey 1997.

6/ Includes kerosene and coal.

7/ Includes all other uses listed above.

8/ Includes primary energy displaced by geothermal heat pumps in space heating and cooling applications.

9/ Includes primary energy displaced by solar thermal water heaters and electricity generated using photovoltaics.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Source: 1998 and 1999: Energy Information Administration (EIA), Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 5. Commercial Sector Key Indicators and Consumption (1 of 2)
(Quadrillion Btu per year, Unless otherwise noted)

Table 5. Commercial Sector Key Indicators and Consumption (2 of 2)
(Quadrillion Btu per year, Unless otherwise noted)

Key Indicators and Consumption	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Delivered Energy Consumption by End-Use																									
Space Heating 1/	1.69	1.79	1.76	1.92	1.99	2.03	2.06	2.07	2.08	2.09	2.09	2.10	2.11	2.11	2.12	2.13	2.13	2.13	2.13	2.13	2.13	2.12	2.12	0.8%	
Space Cooling 1/	0.47	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.2%	
Water Heating 1/	0.86	0.87	0.86	0.87	0.90	0.92	0.93	0.94	0.95	0.96	0.97	0.97	0.98	0.99	0.99	1.00	1.01	1.01	1.01	1.01	1.02	1.02	1.02	0.7%	
Ventilation	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.6%		
Cooking	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.8%		
Lighting	1.19	1.21	1.22	1.24	1.26	1.28	1.29	1.31	1.32	1.34	1.36	1.37	1.38	1.40	1.41	1.42	1.42	1.42	1.42	1.42	1.42	1.41	1.41	0.7%	
Refrigeration	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.6%	
Office Equipment (PC)	0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.27	0.27	4.7%	
Office Equipment (non-PC)	0.28	0.30	0.31	0.33	0.35	0.37	0.39	0.41	0.42	0.44	0.46	0.47	0.49	0.51	0.52	0.54	0.55	0.57	0.58	0.60	0.61	0.63	0.64	3.8%	
Other Uses 7/	2.38	2.29	2.48	2.51	2.60	2.66	2.72	2.77	2.81	2.86	2.91	2.96	3.00	3.05	3.10	3.14	3.19	3.23	3.27	3.31	3.34	3.37	3.40	1.9%	
Delivered Energy	7.54	7.59	7.79	8.04	8.31	8.50	8.64	8.76	8.89	9.01	9.13	9.24	9.33	9.44	9.55	9.64	9.71	9.79	9.85	9.90	9.94	9.98	10.01	1.3%	
Electricity Related Losses	7.99	8.01	8.16	8.37	8.62	8.80	8.92	9.04	9.08	9.22	9.29	9.38	9.46	9.56	9.61	9.67	9.69	9.74	9.73	9.76	9.75	9.77	9.76	0.9%	
Total Energy Consumption by End-Use																									
Space Heating 1/	1.98	2.09	2.05	2.25	2.32	2.37	2.39	2.40	2.41	2.41	2.42	2.42	2.42	2.43	2.43	2.43	2.43	2.43	2.43	2.42	2.42	2.41	2.40	0.6%	
Space Cooling 1/	1.47	1.36	1.37	1.34	1.36	1.37	1.37	1.37	1.36	1.37	1.36	1.36	1.35	1.35	1.34	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.26	-0.4%	
Water Heating 1/	1.17	1.19	1.18	1.18	1.22	1.24	1.26	1.26	1.27	1.28	1.28	1.29	1.29	1.30	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.30	0.4%	
Ventilation	0.55	0.55	0.55	0.56	0.57	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.59	0.59	0.58	0.58	0.57	0.57	0.56	0.1%	
Cooking	0.30	0.31	0.31	0.30	0.31	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.33	0.33	0.33	0.33	0.4%	
Lighting	3.79	3.83	3.85	3.90	3.98	4.03	4.04	4.07	4.07	4.10	4.12	4.14	4.14	4.16	4.17	4.17	4.17	4.16	4.15	4.12	4.10	4.07	4.05	4.02	0.2%
Refrigeration	0.57	0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.60	0.60	0.60	0.59	0.1%	
Office Equipment (PC)	0.30	0.33	0.36	0.39	0.42	0.46	0.50	0.54	0.57	0.61	0.63	0.66	0.69	0.71	0.73	0.74	0.76	0.77	0.78	0.78	0.78	0.78	0.78	4.2%	
Office Equipment (non-PC)	0.89	0.94	0.99	1.05	1.12	1.17	1.21	1.26	1.30	1.34	1.39	1.43	1.47	1.52	1.55	1.59	1.62	1.66	1.69	1.73	1.76	1.79	1.82	3.2%	
Other Uses 7/	4.51	4.43	4.71	4.83	5.00	5.14	5.26	5.37	5.46	5.58	5.67	5.78	5.88	5.99	6.08	6.18	6.27	6.36	6.43	6.52	6.58	6.65	6.71	2.0%	
Total	15.52	15.61	15.94	16.41	16.92	17.30	17.56	17.80	17.98	18.22	18.41	18.62	18.79	19.00	19.15	19.30	19.41	19.53	19.58	19.65	19.69	19.75	19.77	1.1%	
Non-Marketed Renewable Fuels																									
Solar 8/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.5%	
Total	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.5%	

1/ Includes fuel consumption for district services.

2/ Includes miscellaneous uses, such as service station equipment, automated teller machines, telecommunications equipment, and medical equipment.

3/ Excludes estimated consumption from independent power producers.

4/ Includes miscellaneous uses, such as pumps, emergency electric generators, cogeneration in commercial buildings, and manufacturing performed in commercial buildings.

5/ Includes miscellaneous uses, such as cooking, emergency electric generators, and cogeneration in commercial buildings.

6/ Includes residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.

7/ Includes miscellaneous uses, such as service station equipment, automated teller machines, telecommunications equipment, medical equipment, pumps, lighting, emergency electric generators, cogeneration in commercial buildings, manufacturing performed in commercial buildings, and cooking (distillate), plus residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.

8/ Includes primary energy displaced by solar thermal space heating and water heating, and electricity generation by solar photovoltaic systems.

Btu = British thermal unit.

PC = Personal computer.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 and 1999 Energy Information Administration (EIA), Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 6. Industrial Sector Key Indicators and Consumption (1 of 2)
(Quadrillion Btu per year, Unless otherwise noted)

Key Indicators and Consumption	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Key Indicators																								
(dollars)																								
Manufacturing	3704	3749	3850	3811	3963	4073	4142	4264	4396	4514	4631	4732	4850	4953	5060	5184	5314	5444	5566	5708	5848	5999	6149	2.4%
Nonmanufacturing	950	972	993	974	995	1009	1018	1030	1046	1060	1072	1081	1092	1101	1109	1121	1139	1157	1171	1182	1193	1201	1210	1.0%
Total	4654	4722	4843	4785	4958	5082	5160	5294	5442	5574	5703	5814	5942	6054	6170	6305	6453	6601	6737	6890	7041	7200	7359	2.1%
Btu)																								
Electricity	13.34	13.09	13.66	13.42	12.92	12.62	12.45	11.99	11.62	11.24	10.97	10.85	10.86	10.74	10.66	10.65	10.67	10.67	10.65	10.70	10.71	10.67	10.69	-1.0%
Natural Gas	2.73	2.79	4.00	3.98	3.44	3.13	3.01	3.00	3.01	3.03	3.06	3.08	3.12	3.14	3.15	3.17	3.18	3.20	3.22	3.23	3.25	3.27	3.29	0.8%
Steam Coal	1.45	1.43	1.41	1.39	1.37	1.36	1.35	1.33	1.33	1.32	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.22	1.21	1.19	1.19	-0.9%
Residual Oil	2.56	2.78	4.09	3.86	3.47	3.32	3.31	3.31	3.31	3.31	3.31	3.31	3.32	3.33	3.34	3.35	3.35	3.36	3.37	3.37	3.38	3.39	0.9%	
Distillate Oil	4.11	4.65	6.71	5.64	5.33	5.15	5.18	5.22	5.13	5.23	5.25	5.25	5.26	5.29	5.27	5.32	5.36	5.35	5.36	5.38	5.42	5.43	5.44	0.7%
Liquefied Petroleum Gas	7.27	8.50	8.24	8.99	8.12	7.82	7.83	7.75	7.36	7.53	7.60	7.54	7.39	7.38	7.52	7.49	7.35	7.26	7.17	7.19	7.22	7.21	7.15	-0.8%
Motor Gasoline	8.74	9.42	11.93	11.04	10.66	10.46	10.50	10.49	10.58	10.59	10.61	10.57	10.59	10.47	10.38	10.42	10.38	10.33	10.32	10.29	10.24	10.23	0.4%	
Metallurgical Coal	1.73	1.65	1.66	1.65	1.63	1.61	1.59	1.58	1.58	1.57	1.56	1.54	1.53	1.51	1.50	1.49	1.47	1.47	1.46	1.45	1.44	1.43	1.43	-0.7%
Energy Consumption																								
Consumption 1/																								
Purchased Electricity	3.55	3.63	3.68	3.62	3.69	3.73	3.73	3.78	3.83	3.86	3.90	3.93	3.97	4.00	4.02	4.06	4.11	4.14	4.18	4.22	4.27	4.31	4.35	0.9%
Natural Gas 2/	9.78	9.43	9.66	9.70	9.92	10.09	10.17	10.23	10.38	10.48	10.54	10.60	10.68	10.73	10.82	10.91	10.99	11.07	11.15	11.22	11.29	11.34	11.38	0.9%
Steam Coal	1.79	1.73	1.76	1.74	1.74	1.77	1.78	1.80	1.81	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	0.2%
Metallurgical Coal and Coke 3/	0.82	0.81	0.85	0.83	0.82	0.81	0.79	0.78	0.77	0.75	0.75	0.74	0.73	0.73	0.72	0.72	0.71	0.70	0.69	0.69	0.68	0.68	0.67	-0.9%
Residual Fuel	0.26	0.22	0.17	0.17	0.17	0.20	0.21	0.22	0.22	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.7%
Distillate	1.15	1.07	0.99	0.98	1.01	1.02	1.05	1.09	1.13	1.17	1.18	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.28	0.9%
Liquefied Petroleum Gas	2.07	2.32	2.37	2.40	2.40	2.40	2.38	2.36	2.35	2.33	2.33	2.34	2.36	2.36	2.38	2.40	2.42	2.43	2.44	2.45	2.46	2.47	2.49	0.3%
Petrochemical Feedstocks	1.39	1.29	1.31	1.31	1.32	1.34	1.36	1.37	1.40	1.42	1.43	1.43	1.44	1.44	1.45	1.46	1.46	1.47	1.47	1.48	1.48	1.49	1.49	0.7%
Other Petroleum 4/	4.28	4.50	4.48	4.41	4.43	4.49	4.51	4.56	4.60	4.64	4.71	4.75	4.78	4.80	4.79	4.81	4.85	4.90	4.93	4.97	5.01	5.05	5.07	0.6%
Renewables 5/	2.10	2.15	2.20	2.20	2.25	2.29	2.32	2.35	2.39	2.43	2.46	2.49	2.52	2.54	2.57	2.60	2.63	2.66	2.69	2.71	2.74	2.76	2.78	1.2%
Delivered Energy	27.19	27.15	27.46	27.36	27.74	28.14	28.30	28.55	28.87	29.13	29.36	29.53	29.73	29.86	30.02	30.23	30.47	30.68	30.86	31.08	31.25	31.43	31.59	0.7%
Electricity Related Losses	7.78	7.87	7.93	7.79	7.94	8.00	7.95	7.97	7.94	7.96	7.94	7.93	7.93	7.93	7.93	7.91	7.92	7.94	7.92	7.96	7.97	8.01	8.04	0.1%
Total	34.96	35.02	35.39	35.15	35.68	36.14	36.26	36.52	36.82	37.09	37.30	37.45	37.66	37.79	37.91	38.14	38.38	38.62	38.78	39.04	39.23	39.44	39.63	0.6%
Consumption per Unit of Output 1/																								
(thousand Btu per 1992 dollar)																								
Purchased Electricity	0.76	0.77	0.76	0.76	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.65	0.64	0.64	0.63	0.62	0.61	0.61	0.60	0.59	-1.2%
Natural Gas 2/	2.10	2.00	2.00	2.03	2.00	1.98	1.97	1.93	1.91	1.88	1.85	1.82	1.80	1.77	1.75	1.73	1.70	1.68	1.65	1.63	1.60	1.57	1.55	-1.2%
Steam Coal	0.38	0.37	0.36	0.36	0.35	0.35	0.35	0.34	0.33	0.33	0.32	0.31	0.31	0.30	0.29	0.29	0.28	0.27	0.26	0.26	0.25	0.25	0.25	-1.9%
Metallurgical Coal and Coke 3/	0.18	0.17	0.18	0.17	0.17	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.09	-3.0%
Residual Fuel	0.06	0.05	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	-1.4%
Distillate	0.25	0.23	0.20	0.21	0.20	0.20	0.20	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.17	-1.2%
Liquefied Petroleum Gas	0.44	0.49	0.49	0.50	0.48	0.47	0.46	0.45	0.43	0.42	0.41	0.40	0.40	0.39	0.39	0.38	0.38	0.37	0.36	0.36	0.35	0.34	0.34	-1.8%
Petrochemical Feedstocks	0.30	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	-1.4%
Other Petroleum 4/	0.92	0.95	0.92	0.92	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.74	0.72	0.71	0.70	0.69	0.69	0.69	-1.5%
Renewables 5/	0.45	0.46	0.45	0.46	0.45	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.42	0.42	0.42	0.41	0.41	0.40	0.40	0.39	0.39	0.38	0.38	-0.9%
Delivered Energy	5.84	5.75	5.67	5.72	5.60	5.54	5.49	5.39	5.31	5.23	5.15	5.08	5.00	4.93	4.87	4.79	4.72	4.65	4.58	4.51	4.44	4.36	4.29	-1.4%
Electricity Related Losses	1.67	1.67	1.64	1.63	1.60	1.57	1.54	1.50	1.46	1.43	1.39	1.36	1.33	1.31	1.28	1.25	1.23	1.20	1.18	1.16	1.13	1.11	1.09	-2.0%
Total	7.51	7.42	7.31	7.35	7.20	7.11	7.03	6.90	6.77	6.65	6.54	6.44	6.34	6.24	6.14	6.05	5.95	5.85	5.76	5.67	5.57	5.48	5.39	-1.5%

1/ Fuel consumption includes consumption for cogeneration.
2/ Includes lease and plant fuel.
3/ Includes net coke coal imports.
4/ Includes petroleum coke, asphalt, road oil, lubricants, motor gasoline, still gas, and miscellaneous petroleum products.
5/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
Btu = British thermal unit.
Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Table 6. Industrial Sector Key Indicators and Consumption (2 of 2)
(Quadrillion Btu per year, Unless otherwise noted)

Sources: 1998 prices for gasoline and distillate are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1998, ftp://tp.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/historical/1998/pdf/pmaall.pdf (October 1999). 1999 prices for gasoline and distillate are based on prices in various issues of EIA, Petroleum Marketing Monthly, DOE/EIA-0380(99/03-2000/04) (Washington, DC, 1999-2000). 1998 and 1999 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/1Q) (Washington, DC, August 2000) and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. 1998 and 1999 electricity prices: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Other 1998 values and other 1999 prices derived from EIA, State Energy Data Report 1997, DOE/EIA-0214(97) (Washington, DC, September 1999). Other 1999 values: EIA, Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption (1 of 2)

Key Indicators and Consumption	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Key Indicators																								
Level of Travel (billions)																								
Light-Duty Vehicles < 8500 lbs. (VMT)	2329	2394	2412	2465	2540	2604	2661	2720	2776	2827	2878	2928	2974	3015	3057	3100	3144	3189	3226	3262	3299	3335	3372	1.6%
Commercial Light Trucks (VMT) 1/	71	73	74	74	76	78	80	81	83	85	86	88	89	91	92	93	95	97	98	99	101	102	103	1.7%
Freight Trucks > 10000 lbs. (VMT)	200	204	216	217	224	230	234	239	245	250	255	259	264	268	273	278	283	289	294	299	305	310	316	2.1%
Air (seat miles available)	1067	1099	1136	1133	1142	1183	1222	1267	1312	1355	1402	1449	1498	1546	1599	1653	1710	1767	1820	1873	1928	1983	2039	3.0%
Rail (ton miles traveled)	1347	1357	1419	1437	1482	1506	1518	1542	1570	1591	1607	1617	1634	1658	1671	1687	1705	1719	1744	1760	1774	1787	1807	1.4%
Domestic Shipping (ton miles traveled)	657	661	684	683	699	709	710	714	718	721	727	732	738	742	748	756	765	774	782	790	797	802	807	1.0%
Energy Efficiency Indicators																								
New Light-Duty Vehicle (MPG) 2/	24.5	24.2	24.8	25.2	25.3	26.1	26.0	26.0	26.2	26.4	26.6	26.8	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	0.7%
New Car (MPG) 2/	28.3	27.9	28.7	29.1	29.4	30.8	30.8	30.9	31.1	31.4	31.7	32.0	32.2	32.4	32.5	32.5	32.4	32.4	32.5	32.5	32.5	32.5	32.5	0.7%
New Light Truck (MPG) 2/	20.9	20.8	21.3	21.8	21.9	22.3	22.2	22.2	22.4	22.5	22.7	22.9	23.2	23.3	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	0.8%
Light-Duty Fleet (MPG) 3/	20.5	20.5	20.6	20.4	20.5	20.6	20.7	20.7	20.7	20.8	20.8	20.9	20.9	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.4	0.2%
New Commercial Light Truck (MPG) 1/	20.3	20.1	20.5	21.0	21.0	21.3	21.2	21.3	21.4	21.6	21.8	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	23.5	0.7%	
Stock Commercial Light Truck (MPG) 1/	14.7	14.8	14.9	15.1	15.2	15.3	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.4	16.5	16.6	16.7	16.8	16.9	17.0	0.7%
Aircraft Efficiency (seat miles per gallon)	51.3	51.7	52.1	52.4	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.5	55.9	56.3	56.7	57.1	57.6	58.0	58.4	58.8	59.2	59.6	60.0	0.7%
Freight Truck Efficiency (MPG)	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.9	0.6%
Rail Efficiency (ton miles per thousand Btu)	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	1.0%
Domestic Shipping Efficiency																								
(ton miles per thousand Btu)	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	1.2%
Energy Use by Mode (quadrillion Btu)																								
Light-Duty Vehicles	14.52	14.88	14.96	15.35	15.77	16.04	16.35	16.65	16.96	17.24	17.49	17.75	17.98	18.18	18.37	18.58	18.79	19.00	19.18	19.33	19.49	19.64	19.81	1.4%
Commercial Light Trucks 1/	0.61	0.62	0.62	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.70	0.71	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.76	1.0%
Freight Trucks 4/	4.40	4.54	4.78	4.77	4.90	4.99	5.05	5.13	5.22	5.30	5.37	5.42	5.48	5.53	5.58	5.64	5.71	5.78	5.84	5.91	5.96	6.02	6.08	1.4%
Air 5/	3.40	3.50	3.58	3.56	3.56	3.65	3.73	3.83	3.93	4.02	4.12	4.22	4.32	4.42	4.53	4.64	4.75	4.86	4.97	5.07	5.17	5.28	5.38	2.1%
Rail 6/	0.57	0.57	0.59	0.59	0.60	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.6%
Marine 7/	1.20	1.29	1.42	1.41	1.42	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.44	1.45	1.45	1.45	1.46	1.46	1.46	1.47	1.47	1.47	1.48	0.6%
Pipeline Fuel	0.65	0.66	0.66	0.65	0.69	0.72	0.74	0.75	0.78	0.79	0.81	0.84	0.87	0.89	0.90	0.92	0.94	0.95	0.97	0.98	0.99	1.00	2.0%	
Lubricants	0.17	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	1.1%	
Total	25.53	26.28	26.84	27.19	27.82	28.32	28.80	29.32	29.87	30.35	30.81	31.26	31.69	32.06	32.44	32.85	33.28	33.71	34.08	34.44	34.79	35.12	35.48	1.4%
Energy Use by Mode																								
(million barrels per day oil equivalent)																								
Light-Duty Vehicles	7.57	7.76	7.81	8.07	8.30	8.41	8.58	8.74	8.90	9.04	9.17	9.31	9.42	9.53	9.63	9.73	9.85	9.95	10.05	10.13	10.21	10.29	10.37	1.4%
Commercial Light Trucks 1/	0.32	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	1.0%
Freight Trucks 4/	1.96	2.03	2.14	2.13	2.19	2.23	2.26	2.30	2.34	2.37	2.41	2.43	2.46	2.48	2.50	2.53	2.57	2.60	2.63	2.66	2.68	2.71	2.74	1.4%
Railroad	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4%
Domestic Shipping	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	-0.3%
International Shipping	0.26	0.30	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.9%
Air 5/	1.43	1.46	1.50	1.49	1.49	1.53	1.57	1.62	1.66	1.70	1.75	1.79	1.84	1.88	1.93	1.98	2.04	2.09	2.14	2.19	2.23	2.33	2.36	2.2%
Military Use	0.26	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.8%
Bus Transportation	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.1%
Rail Transportation 6/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1.7%
Recreational Boats	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.8%
Lubricants	0.08	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	1.1%
Pipeline Fuel	0.33	0.33	0.33	0.33	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.50	0.51	2.0%
Total	12.87	13.24	13.51	13.75	14.08	14.30	14.54	14.81	15.08	15.32	15.55	15.77	15.99	16.18	16.36	16.57	16.79	17.00	17.18	17.36	17.54	17.70	17.88	1.4%

1/ Commercial trucks 8,500 to 10,000 pounds.
 2/ Environmental Protection Agency rated miles per gallon.
 3/ Combined car and light truck "on-the-road" estimate.
 4/ Includes energy use by buses and military distillate consumption.
 5/ Includes jet fuel and aviation gasoline.
 6/ Includes passenger rail.
 7/ Includes military residual fuel use and recreation boats.
 Btu = British thermal unit.
 VMT = Vehicle miles traveled.

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption (2 of 2)

Lbs. = Pounds.

MPG = Miles per gallon.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998: Energy Information Administration (EIA), Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 12, 13, 14, 15, 16, 17, 18, and 19 (Oak Ridge, TN, September 1999); National Highway Traffic and Safety Administration, Summary of Fuel Economy Performance (Washington, DC, February 2000); EIA, Household Vehicle Energy Consumption 1994, DOE/EIA-0464(94) (Washington, DC, August 1997); U.S. Dept. of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); EIA, Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives To Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, State Energy Data Report 1997, DOE/EIA-0214(97) (Washington, DC, September 1999). 1999: U.S. Department of Transportation, Research and Special Programs Administration, Air Carrier Statistics Monthly, December 1999/1998 (Washington, DC, 1999); EIA, Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>; EIA, Fuel Oil and Kerosene Sales 1998, DOE/EIA-0535(98) (Washington, DC, August 1999); and United States Department of Defense, Defense Fuel Supply Center. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D10160A.

Table 8. Electricity Supply, Disposition, Prices, and Emissions (1 of 2)
(Billion Kilowatthours, Unless Otherwise Noted)

Supply, Disposition, and Prices	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Generation by Fuel Type																									
Electric Generators 1/																									
Coal	1826	1833	1894	1941	1986	2018	2037	2071	2077	2113	2130	2126	2132	2144	2146	2154	2160	2176	2179	2189	2191	2194	2205	0.9%	
Petroleum	115	100	68	60	45	41	37	30	24	21	18	16	17	16	16	16	16	17	17	17	17	17	17	-8.1%	
Natural Gas 2/	346	371	388	392	428	461	500	536	597	635	693	760	835	883	943	1007	1076	1145	1201	1264	1327	1369	1409	6.6%	
Nuclear Power	674	730	748	736	737	738	739	740	741	738	737	720	713	706	685	661	632	613	585	562	562	554		-1.3%	
Pumped Storage	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	N/A	
Renewable Sources 3/	359	353	334	346	355	355	363	368	373	378	380	383	385	387	388	389	389	390	390	390	391	392	392	0.5%	
Total	3317	3386	3431	3473	3550	3613	3675	3745	3811	3884	3958	4022	4088	4142	4198	4251	4302	4358	4398	4444	4487	4531	4576	1.4%	
Non-Utility Generation for Own Use	16	16	16	16	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	0.0%	
Distributed Generation	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	N/A	
Cogenerators 4/																									
Coal	52	47	48	48	48	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	0.5%	
Petroleum	15	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0.3%	
Natural Gas	197	206	211	220	222	228	233	237	241	243	246	250	253	256	259	261	265	268	271	275	278	281	284	1.5%	
Other Gaseous Fuels 5/	8	4	4	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	3.0%	
Renewable Sources 3/	31	31	31	31	31	32	33	33	34	35	36	36	37	38	38	39	39	40	40	41	41	41	42	1.4%	
Other 6/	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0.3%	
Total	310	302	308	320	322	332	339	345	349	352	356	360	364	368	371	375	378	382	386	390	393	397	400	1.3%	
Other End-Use Generators 7/	6	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0.6%	
Sales to Utilities	158	151	155	159	162	167	169	170	171	171	172	174	175	177	179	180	183	184	187	189	191	193	195	1.2%	
Generation for Own Use	158	156	157	165	165	170	175	179	183	186	189	191	194	195	197	199	201	202	204	206	207	209	210	1.4%	
Net Imports 8/	27	32	33	36	49	54	49	52	50	45	39	35	29	29	24	23	21	21	22	23	23	24	21	-2.0%	
Electricity Sales by Sector																									
Residential	1128	1146	1159	1188	1222	1252	1285	1312	1333	1358	1388	1410	1435	1455	1480	1498	1517	1540	1563	1578	1598	1620	1645	1.7%	
Commercial	1068	1083	1109	1140	1174	1203	1228	1256	1283	1312	1339	1365	1388	1413	1435	1456	1474	1490	1504	1517	1529	1540	1548	1.7%	
Industrial	1040	1063	1078	1061	1081	1093	1094	1107	1121	1133	1144	1153	1164	1172	1179	1191	1204	1214	1225	1238	1250	1263	1276	0.9%	
Transportation	17	17	18	18	19	21	23	25	27	29	30	32	34	35	37	38	40	41	43	44	45	46	47	4.8%	
Total	3253	3309	3364	3407	3497	3569	3631	3700	3765	3831	3902	3960	4020	4076	4132	4183	4234	4286	4334	4377	4421	4468	4516	1.5%	
kilowatthour 9/																									
Residential	8.3	8.1	8.1	7.9	7.6	7.5	7.5	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	-0.6%	
Commercial	7.6	7.3	7.6	7.4	7.1	6.9	6.8	6.5	6.3	6.1	5.9	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	-1.2%	
Industrial	4.6	4.5	4.7	4.6	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.6	3.6	-1.0%	
Transportation	5.4	5.3	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	-1.0%	
All Sectors Average	6.8	6.7	6.8	6.7	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.7	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.6	5.6	-0.8%		
Prices by Service Category																									
(1999 cents per kilowatthour)																									
Generation	4.3	4.1	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2	3.1	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	-1.4%		
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5%		
Distribution	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	0.0%	
Emissions (million short tons)																									
Sulfur Dioxide	13.13	12.46	11.46	11.25	11.28	10.79	10.20	10.08	9.76	9.53	9.48	9.48	9.08	9.01	9.03	9.10	9.04	9.11	9.28	9.42	9.48	9.96	9.01	-1.5%	
Nitrogen Oxide	5.83	5.45	4.57	4.66	4.77	4.38	4.23	4.22	4.16	4.15	4.13	4.14	4.17	4.17	4.20	4.22	4.26	4.27	4.30	4.31	4.32	4.34	-1.1%		

1/ Includes grid-connected generation at all utilities and nonutilities except for cogenerators. Includes small power producers and exempt wholesale generators.

2/ Includes electricity generation by fuel cells.

3/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar, and wind power.

4/ Cogenerators produce electricity and other useful thermal energy. Includes sales to utilities and generation for own use.

5/ Other gaseous fuels include refinery and still gas.

Table 8. Electricity Supply, Disposition, Prices, and Emissions (2 of 2)
(Billion Kilowatthours, Unless Otherwise Noted)

6/ Other includes hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

8/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

9/ Prices represent average revenue per kilowatthour.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998: Electric generators and cogenerators generation, sales to utilities, net imports, residential, industrial, and total electricity sales, and emissions: Energy Information Administration (EIA), Electric Power Annual 1998 Volume 2, DOE/EIA-0348(98)/2 (Washington, DC, December 1999), and supporting databases. Other generators: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility" and Department of Energy, Office of Energy Efficiency and Renewable Energy estimates. Commercial and transportation electricity sales: Energy Information Administration (EIA) estimates based on Oak Ridge National Laboratory, Transportation Energy Data Book 19 (Oak Ridge, TN, September 1999). Prices: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 9. Electricity Generating Capability (1 of 2)
(Gigawatts)

Table 9. Electricity Generating Capability (2 of 2)
(Gigawatts)

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand.
2/ Includes grid-connected utilities and nonutilities except for cogenerators. Includes small power producers and exempt wholesale generators.
3/ Includes oil-, gas-, and dual-fired capability.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 1999.
7/ Cumulative total retirements after December 31, 1999.
8/ Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to the net summer capability based on historic relationships.
9/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid. Excludes off-grid photovoltaics and other generators not connected to the distribution or transmission systems.
10/ See Table 17 for more detail.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports. Net summer capability has been estimated for nonutility generators to be consistent with capability estimates for electric utility generators.
Sources: 1998 electric utilities capability and projected planned additions: Energy Information Administration (EIA), Form EIA-860A: "Annual Electric Generator Report - Utility." 1998 nonutilities including cogenerators capability and projected planned additions: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility" and NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, August 2000). 1998 other generators capability: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility," and Department of Energy, Office of Energy Efficiency and Renewable Energy estimates. 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 10. Electricity Trade (1 of 1)
(Billion Kilowatthours, Unless Otherwise Noted)

Electricity Trade	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Interregional Electricity Trade																								
Gross Domestic Firm Power Sales	197.2	182.2	156.9	142.7	138.9	136.7	132.4	125.3	117.0	117.0	115.0	114.4	102.9	91.5	80.0	68.6	57.2	45.7	34.3	22.9	11.4	5.7	0.0	N/A
Gross Domestic Economy Sales	154.6	147.2	150.7	163.9	182.6	192.6	200.2	199.7	194.5	192.2	188.0	188.0	185.6	187.3	188.7	191.2	192.2	195.6	200.6	198.8	196.8	197.8	201.0	1.5%
Gross Domestic Trade	351.7	329.4	307.6	306.6	321.4	329.3	332.6	325.0	311.5	309.1	303.0	302.3	288.5	278.7	268.8	259.8	249.3	241.3	234.9	221.6	208.2	203.5	201.0	-2.3%
Gross Domestic Firm Power Sales (million 1999 dollars)	9293.3	8588.1	7395.1	6728.6	6545.3	6442.0	6242.1	5905.8	5514.2	5513.2	5422.1	5390.3	4851.2	4312.2	3773.2	3234.2	2695.1	2156.1	1617.1	1078.1	539.0	269.5	0.0	N/A
Gross Domestic Economy Sales (million 1999 dollars)	4753.0	4331.4	5960.6	6042.0	5977.0	5962.1	5998.6	5737.6	5328.8	5187.5	4964.3	4965.8	4900.9	4932.2	4974.6	5091.4	5122.2	5254.8	5361.1	5346.2	5305.1	5326.5	5449.0	1.1%
Gross Domestic Sales (million 1999 dollars)	14046.4	12919.5	13355.7	12770.6	12522.2	12404.1	12240.7	11643.4	10843.0	10700.7	10386.4	10356.0	9752.1	9244.4	8747.8	8325.6	7817.4	7410.9	6978.2	6424.3	5844.1	5596.1	5449.0	-4.0%
International Electricity Trade																								
Mexico 1/	21.3	27.0	23.7	16.5	14.6	13.6	11.1	10.7	6.7	6.7	6.7	6.5	5.8	5.2	4.5	3.9	3.2	2.6	1.9	1.3	0.6	0.3	0.0	N/A
1/	24.1	20.6	22.8	32.0	47.4	53.4	54.9	58.0	60.5	55.2	49.0	46.2	39.7	39.6	33.9	32.3	30.3	30.0	31.1	30.8	31.3	31.4	28.6	1.6%
1/	45.4	47.6	46.5	48.6	62.0	67.0	65.9	68.7	67.1	61.9	55.7	52.7	45.5	44.7	38.4	36.2	33.6	32.6	33.0	32.1	31.9	31.7	28.6	-2.4%
Mexico	3.8	9.2	6.6	6.5	6.5	6.0	9.7	9.7	9.7	9.7	9.7	9.7	8.7	7.8	6.8	5.8	4.8	3.9	2.9	1.9	1.0	0.5	0.0	N/A
Economy Exports To Canada and Mexico	14.1	6.3	6.4	6.5	6.6	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	0.9%
Gross Exports To Canada and Mexico	17.9	15.5	13.0	13.1	13.1	12.7	16.6	16.7	16.8	16.9	17.1	17.2	16.4	15.4	14.4	13.5	12.5	11.5	10.6	9.6	8.6	8.1	7.7	-3.3%

1/ Historically electricity imports were primarily from renewable resources, principally hydroelectric.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports. Firm Power Sales are capacity sales, meaning the delivery of the power is scheduled as part of the normal operating conditions of the affected electric systems. Economy Sales are subject to curtailment or cessation of delivery by the supplier in accordance with prior agreements or under specified conditions.

Sources: 1998 interregional firm electricity trade data: North America Electric Reliability Council (NERC), Electricity Sales and Demand Database 1998. 1998 international electricity trade data: DOE Form FE-718R, "Annual Report of International Electrical Export/Import Data." 1998 firm/economy share: National Energy Board, Annual Report 1998. 1999 and Projections: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 11. Petroleum Supply and Disposition Balance (1 of 2)
 (Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Crude Oil																								
Domestic Crude Production 1/	6.23	5.88	5.89	5.92	6.00	5.97	5.79	5.65	5.45	5.30	5.25	5.15	5.08	4.99	4.97	4.96	4.92	4.94	4.99	5.00	4.98	4.94	4.86	-0.9%
Alaska	1.18	1.05	0.97	0.94	0.96	0.90	0.84	0.79	0.74	0.70	0.66	0.64	0.64	0.64	0.69	0.71	0.68	0.70	0.74	0.75	0.72	0.68	0.64	-2.4%
Lower 48 States	5.05	4.83	4.93	4.98	5.04	5.07	4.94	4.86	4.71	4.61	4.58	4.51	4.43	4.36	4.28	4.26	4.24	4.24	4.25	4.25	4.25	4.25	4.23	-0.6%
Net Imports	8.60	8.61	8.91	9.20	9.32	9.66	9.96	10.31	10.53	10.73	10.82	10.99	11.13	11.26	11.38	11.48	11.65	11.81	11.85	11.94	11.99	12.05	12.14	1.6%
Gross Imports	8.70	8.73	9.01	9.27	9.40	9.73	10.03	10.38	10.58	10.78	10.86	11.03	11.17	11.30	11.41	11.51	11.68	11.84	11.89	11.97	12.03	12.08	12.17	1.6%
Exports	0.11	0.12	0.10	0.08	0.08	0.08	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	-6.3%
Other Crude Supply 2/	0.04	0.31	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Crude Supply	14.87	14.80	15.08	15.12	15.32	15.63	15.75	15.96	15.98	16.03	16.06	16.14	16.21	16.26	16.35	16.44	16.56	16.67	16.84	16.94	16.97	16.99	17.01	0.7%
Natural Gas Plant Liquids	1.76	1.85	1.95	1.94	2.01	2.06	2.09	2.09	2.12	2.13	2.16	2.20	2.26	2.29	2.33	2.37	2.42	2.47	2.51	2.56	2.60	2.63	2.67	1.8%
Other Inputs 3/	0.32	0.60	0.39	0.27	0.27	0.29	0.29	0.30	0.26	0.22	0.22	0.21	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.22	0.22	-4.7%
Refinery Processing Gain 4/	0.89	0.89	0.93	0.91	0.89	0.88	0.88	0.91	0.95	0.96	0.97	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.99	1.00	1.02	1.02	0.7%
Net Product Imports 5/	1.17	1.30	1.26	1.44	1.44	1.32	1.38	1.37	1.57	1.77	1.92	2.02	2.12	2.23	2.30	2.38	2.45	2.45	2.52	2.55	2.65	2.76	2.90	3.9%
Gross Refined Product Imports 6/	1.63	1.73	1.68	1.63	1.58	1.70	1.76	1.72	1.96	2.13	2.15	2.16	2.26	2.36	2.46	2.55	2.66	2.78	2.85	2.89	2.93	2.99	3.13	2.9%
Unfinished Oil Imports	0.30	0.32	0.35	0.45	0.48	0.40	0.40	0.44	0.39	0.44	0.59	0.68	0.69	0.72	0.68	0.66	0.62	0.51	0.51	0.51	0.58	0.64	0.65	3.5%
Ether Imports	0.07	0.08	0.08	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Exports	0.83	0.82	0.85	0.74	0.72	0.77	0.79	0.79	0.78	0.80	0.81	0.82	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.86	0.87	0.88	0.3%
Total Primary Supply 7/	19.00	19.44	19.62	19.68	19.94	20.18	20.39	20.63	20.88	21.11	21.34	21.56	21.78	21.97	22.16	22.37	22.62	22.85	23.05	23.24	23.43	23.62	23.81	1.0%
Refined Petroleum Products Supplied																								
Motor Gasoline 8/	8.25	8.43	8.44	8.67	8.88	8.96	9.09	9.23	9.37	9.49	9.60	9.73	9.82	9.92	10.01	10.10	10.20	10.30	10.39	10.46	10.54	10.61	10.70	1.1%
Jet Fuel 9/	1.62	1.67	1.71	1.70	1.70	1.74	1.78	1.83	1.87	1.92	1.97	2.02	2.06	2.11	2.16	2.22	2.27	2.33	2.38	2.42	2.47	2.52	2.57	2.1%
Distillate Fuel 10/	3.50	3.52	3.64	3.71	3.80	3.88	3.93	4.00	4.08	4.14	4.19	4.22	4.27	4.30	4.34	4.38	4.43	4.47	4.51	4.55	4.59	4.62	4.65	1.3%
Residual Fuel	0.93	0.82	0.77	0.72	0.66	0.66	0.64	0.62	0.59	0.59	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	-1.6%
Other 11/	4.61	5.07	4.95	4.95	4.96	5.00	5.00	5.01	5.02	5.03	5.06	5.08	5.11	5.12	5.13	5.15	5.19	5.22	5.25	5.28	5.30	5.33	5.35	0.3%
Total	18.92	19.50	19.51	19.75	20.00	20.24	20.44	20.68	20.94	21.17	21.39	21.62	21.83	22.02	22.21	22.42	22.66	22.89	23.09	23.29	23.48	23.66	23.85	1.0%
Refined Petroleum Products Supplied																								
Residential and Commercial	1.06	1.10	1.11	1.16	1.16	1.16	1.15	1.13	1.12	1.10	1.09	1.07	1.06	1.06	1.05	1.04	1.04	1.03	1.03	1.02	1.02	1.02	1.01	-0.4%
Industrial 12/	4.81	5.16	4.97	4.96	4.99	5.05	5.07	5.11	5.15	5.18	5.22	5.26	5.29	5.31	5.32	5.35	5.40	5.43	5.46	5.50	5.52	5.56	5.58	0.4%
Transportation	12.49	12.86	13.11	13.35	13.65	13.84	14.07	14.32	14.57	14.79	15.01	15.22	15.41	15.59	15.76	15.96	16.16	16.36	16.53	16.70	16.86	17.02	17.18	1.4%
Electric Generators 13/	0.55	0.38	0.31	0.27	0.21	0.19	0.17	0.13	0.10	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-7.6%
Total	18.92	19.50	19.51	19.75	20.00	20.24	20.44	20.68	20.94	21.17	21.39	21.62	21.83	22.02	22.21	22.42	22.66	22.89	23.09	23.29	23.48	23.66	23.85	1.0%
Discrepancy 14/	0.08	-0.07	0.11	-0.07	-0.07	-0.05	-0.05	-0.05	-0.06	-0.06	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.04	-0.04	-0.04	-0.04	N/A
15/	12.02	17.35	27.59	23.75	21.35	20.40	20.44	20.49	20.53	20.57	20.61	20.66	20.70	20.75	20.80	20.83	20.89	20.93	20.98	21.04	21.07	21.13	21.16	1.0%
Imports Share of Product Supplied	0.52	0.51	0.52	0.54	0.54	0.54	0.55	0.56	0.58	0.59	0.60	0.60	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.63	1.0%
Net Expenditures for Imported Crude and Petroleum Products (billion 1999 dollars)	46.22	60.16	102.85	93.46	85.20	83.08	86.29	89.02	93.50	97.34	99.55	101.89	104.46	106.77	108.74	110.58	112.97	114.59	115.78	117.03	118.60	120.33	122.68	3.5%
Domestic Refinery Distillation Capacity 16/	16.3	16.5	16.5	16.7	16.7	17.0	17.2	17.3	17.3	17.3	17.3	17.4	17.5	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.1	18.1	18.2	0.5%
Capacity Utilization Rate (percent)	96.0	93.0	93.0	90.5	91.8	92.0	91.9	92.3	92.4	92.7	92.8	93.0	93.0	92.9	93.1	93.5	93.6	93.7	93.8	93.9	94.0	94.0	94.0	0.1%

1/ Includes lease condensate.

2/ Strategic petroleum reserve stock additions plus unaccounted for crude oil and crude stock withdrawals minus crude products supplied.

3/ Includes alcohols, ethers, petroleum product stock withdrawals, domestic sources of blending components, and other hydrocarbons.

4/ Represents volumetric gain in refinery distillation and cracking processes.

5/ Includes net imports of finished petroleum products, unfinished oils, other hydrocarbons, alcohols, ethers, and blending components.

6/ Includes blending components.

7/ Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net petroleum imports.

8/ Includes ethanol and ethers blended into gasoline.

9/ Includes naphtha and kerosene types.

10/ Includes distillate and kerosene.

Table 11. Petroleum Supply and Disposition Balance (2 of 2)
(Million Barrels per Day, Unless Otherwise Noted)

11/ Includes aviation gasoline, liquefied petroleum gas, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, and miscellaneous petroleum products.

12/ Includes consumption by cogenerators.

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ Balancing item. Includes unaccounted for supply, losses and gains.

15/ Average refiner acquisition cost for imported crude oil.

16/ End-of-year capacity.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 and 1999 product supplied data from Table 2. Other 1998 data: Energy Information Administration (EIA), Petroleum Supply Annual 1998, DOE/EIA-0340(98/1) (Washington, DC, June 1999). Other 1999 data:

EIA, Petroleum Supply Annual 1999, DOE/EIA-0340(99/1) (Washington, DC, June 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 12. Petroleum Product Prices (1 of 1)
(1999 Cents per Gallon, Unless Otherwise Noted)

Sector and Fuel	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
World Oil Price (1999 dollars per barrel)	12.02	17.35	27.59	23.75	21.35	20.40	20.44	20.49	20.53	20.57	20.61	20.66	20.70	20.75	20.80	20.83	20.89	20.93	20.98	21.04	21.07	21.13	21.16	1.0%	
Delivered Sector Product Prices																									
Residential																									
Distillate Fuel	86.7	87.0	126.2	106.6	102.3	99.7	100.2	100.7	99.3	100.8	101.2	101.4	101.4	101.8	101.4	102.2	102.8	102.7	102.8	103.0	103.6	103.8	103.9	0.8%	
Liquefied Petroleum Gas	90.2	89.4	111.7	119.1	111.8	109.4	109.7	109.2	106.1	107.9	109.0	108.7	107.6	107.5	108.4	108.2	106.8	106.2	105.5	105.7	105.8	105.7	105.1	0.8%	
Commercial																									
Distillate Fuel	55.6	60.6	91.3	76.2	71.8	69.2	69.6	70.1	68.7	70.1	70.4	70.4	70.6	70.9	70.5	71.3	71.9	71.7	72.0	72.6	72.7	72.8	0.9%		
Residual Fuel	36.2	39.3	65.3	61.9	56.0	53.8	53.7	53.7	53.6	53.6	53.7	53.8	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	1.6%		
Residual Fuel (1999 dollars per barrel)	15.19	16.53	27.44	26.00	23.51	22.58	22.57	22.54	22.50	22.52	22.51	22.54	22.58	22.61	22.66	22.68	22.73	22.77	22.81	22.86	22.89	22.94	22.97	1.6%	
Industrial 1/																									
Distillate Fuel	57.1	64.5	93.1	78.2	73.9	71.5	71.9	72.4	71.1	72.5	72.8	72.8	73.0	73.3	73.1	73.8	74.4	74.3	74.4	74.6	75.2	75.3	75.4	0.7%	
Liquefied Petroleum Gas	62.7	73.4	71.1	77.6	70.1	67.5	67.6	66.9	63.5	65.0	65.6	65.1	63.8	63.7	64.9	64.6	63.4	62.6	61.9	62.0	62.4	62.2	61.7	-0.8%	
Residual Fuel	38.3	41.7	61.3	57.8	51.9	49.6	49.6	49.6	49.5	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	0.9%		
Residual Fuel (1999 dollars per barrel)	16.10	17.50	25.73	24.29	21.82	20.84	20.83	20.82	20.79	20.80	20.80	20.84	20.91	20.96	21.04	21.08	21.12	21.18	21.21	21.26	21.29	0.9%			
Transportation																									
Diesel Fuel (Distillate) 2/	106.2	114.0	145.0	128.0	123.6	121.0	121.6	121.4	119.9	120.6	120.5	120.1	120.0	119.8	118.9	119.5	119.8	119.3	118.9	118.6	118.8	118.3	117.9	0.2%	
Jet Fuel 3/	55.8	63.5	88.6	73.8	69.5	67.7	68.6	69.3	68.9	69.9	70.3	70.8	70.8	70.8	69.9	70.9	71.4	71.5	71.8	73.2	73.5	73.5	73.4	0.7%	
Motor Gasoline 4/	109.3	118.2	149.6	137.3	132.5	130.6	131.2	131.0	132.4	132.5	132.6	132.2	132.3	130.8	129.8	129.5	130.2	129.7	129.1	129.1	128.6	128.0	128.0	0.4%	
Liquefied Petroleum Gas	96.9	111.1	124.8	130.4	123.7	121.7	121.5	120.7	117.7	118.9	119.7	119.1	117.8	117.5	118.0	117.5	116.0	115.5	114.8	114.8	114.1	113.7	112.9	0.1%	
Residual Fuel	34.2	36.8	56.0	53.8	47.9	45.6	45.6	45.7	45.7	45.8	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.5	46.7	46.7	46.8	46.9	1.2%	
Residual Fuel (1999 dollars per barrel)	14.37	15.45	23.53	22.60	20.10	19.14	19.17	19.18	19.19	19.22	19.24	19.28	19.32	19.35	19.40	19.43	19.48	19.51	19.55	19.61	19.63	19.67	19.70	1.2%	
Ethanol (E85)	127.7	129.2	151.6	166.2	160.9	170.5	170.3	170.8	170.9	170.0	170.0	169.4	170.4	170.6	171.0	171.5	172.3	172.8	170.7	171.2	171.8	172.3	165.3	1.2%	
Methanol (M85)	65.5	76.2	98.8	103.2	96.8	93.1	92.2	92.1	93.6	94.2	94.3	98.5	99.0	98.7	100.4	100.3	102.6	102.4	102.3	102.2	102.3	102.1	102.1	1.4%	
Electric Generators 5/																									
Distillate Fuel	45.1	56.2	84.7	69.0	64.7	62.5	62.9	63.5	62.6	64.0	64.3	64.3	64.5	64.7	64.6	65.3	65.9	65.7	65.9	66.0	66.6	66.7	66.9	0.8%	
Residual Fuel	33.2	36.2	60.8	58.7	53.1	50.9	51.4	51.9	53.4	54.4	55.3	56.3	56.5	57.1	57.3	57.7	57.5	57.9	58.1	58.3	58.5	58.3	58.3	2.3%	
Residual Fuel (1999 dollars per barrel)	13.93	15.21	25.56	24.64	22.28	21.36	21.57	21.81	22.44	22.85	23.21	23.63	23.71	23.97	24.05	24.06	24.23	24.13	24.30	24.39	24.47	24.57	24.50	2.3%	
Refined Petroleum Product Prices 6/																									
Distillate Fuel	92.7	100.8	133.3	116.2	112.0	109.6	110.1	110.2	108.8	109.7	109.9	109.7	109.7	109.8	109.0	110.2	109.8	109.7	109.6	109.9	109.6	109.4	109.4	0.4%	
Jet Fuel 3/	55.8	63.5	88.6	73.8	69.5	67.7	68.6	69.3	68.9	69.9	70.3	70.8	70.8	69.9	70.9	71.4	71.5	71.8	73.2	73.5	73.5	73.4	0.7%		
Liquefied Petroleum Gas	68.0	76.3	78.8	85.4	78.0	75.4	75.6	74.8	71.6	73.1	73.7	71.1	71.7	71.6	72.7	72.3	71.0	70.3	69.5	69.6	69.9	69.7	69.2	-0.5%	
Motor Gasoline 4/	109.3	118.2	149.6	137.3	132.5	130.6	131.2	131.0	132.4	132.5	132.6	132.2	132.3	130.8	129.8	129.5	130.2	129.7	129.1	129.0	128.6	128.0	128.0	0.4%	
Residual Fuel	34.2	37.1	58.8	56.3	50.2	47.9	48.0	48.0	48.0	48.1	48.2	48.1	48.2	48.3	48.5	48.5	48.7	48.8	48.9	49.0	49.1	49.2	49.3	1.4%	
Residual Fuel (1999 dollars per barrel)	14.38	15.59	24.71	23.65	21.10	20.13	20.15	20.14	20.16	20.19	20.17	20.22	20.26	20.30	20.35	20.39	20.45	20.48	20.53	20.59	20.62	20.67	20.69	1.4%	
Average	89.0	97.6	125.0	114.7	110.1	108.0	108.7	108.8	108.8	109.5	109.8	109.5	109.5	108.7	108.1	108.2	108.5	108.1	107.7	107.7	107.3	107.1	0.4%		

1/ Includes cogenerators. Includes Federal and State taxes while excluding county and state taxes.

2/ Low sulfur diesel fuel. Includes Federal and State taxes while excluding county and local taxes.

3/ Kerosene-type jet fuel.

4/ Sales weighted-average price for all grades. Includes Federal and State taxes while excluding county and local taxes.

5/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

6/ Weighted averages of end-use fuel prices are derived from the prices in each sector and the corresponding sectoral consumption.

Note: Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 prices for gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1998,

ftp://ftp.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/historical/1998/pdf/pmaall.pdf (October 1999). 1999 prices for gasoline, distillate, and jet fuel are based on prices in various issues of EIA,

Petroleum Marketing Monthly, DOE/EIA-0380(99/03-2000/04) (Washington, DC, 1999-2000). 1998 and 1999 prices for all other petroleum products are derived from EIA, State Energy Price and Expenditure Report 1997,

DOE/EIA-0376(97) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 13. Natural Gas Supply and Disposition (1 of 1)
(Trillion Cubic Feet per Year)

Supply and Disposition	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Production																									
Dry Gas Production 1/	18.71	18.67	18.62	18.58	19.32	19.91	20.22	20.30	20.65	20.87	21.21	21.65	22.27	22.59	23.03	23.52	24.07	24.63	25.06	25.58	26.06	26.39	26.74	1.7%	
Supplemental Natural Gas 2/	0.10	0.10	0.11	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-2.4%	
Net Imports	2.99	3.38	3.51	3.70	3.82	3.99	4.21	4.40	4.53	4.62	4.73	4.83	4.93	5.01	5.10	5.19	5.27	5.35	5.41	5.45	5.49	5.54	5.58	2.4%	
Canada	3.01	3.29	3.45	3.64	3.75	3.86	4.06	4.21	4.31	4.40	4.50	4.58	4.68	4.75	4.83	4.92	4.99	5.05	5.10	5.14	5.17	5.21	5.24	2.2%	
Mexico	-0.04	-0.01	-0.08	-0.11	-0.13	-0.14	-0.16	-0.18	-0.19	-0.21	-0.22	-0.23	-0.25	-0.27	-0.28	-0.30	-0.31	-0.33	-0.34	-0.36	-0.37	-0.39	-0.40	21.7%	
Liquefied Natural Gas	0.02	0.10	0.14	0.17	0.20	0.26	0.31	0.36	0.40	0.43	0.45	0.48	0.50	0.52	0.55	0.57	0.60	0.62	0.64	0.67	0.69	0.72	0.74	10.2%	
Total Supply	21.80	22.15	22.24	22.41	23.25	24.01	24.54	24.81	25.29	25.61	26.05	26.59	27.26	27.66	28.19	28.77	29.40	30.03	30.53	31.09	31.61	31.98	32.38	1.8%	
Consumption by Sector																									
Residential	4.55	4.72	4.84	5.00	5.12	5.21	5.29	5.32	5.36	5.39	5.44	5.46	5.49	5.53	5.58	5.61	5.66	5.70	5.76	5.79	5.84	5.89	5.95	1.1%	
Commercial	3.02	3.07	3.18	3.29	3.42	3.50	3.55	3.58	3.61	3.63	3.66	3.68	3.69	3.72	3.74	3.76	3.78	3.79	3.81	3.82	3.83	3.83	3.83	1.1%	
Industrial 3/	8.37	7.95	8.19	8.23	8.40	8.53	8.58	8.64	8.77	8.85	8.88	8.91	8.95	8.97	9.03	9.09	9.13	9.18	9.22	9.27	9.30	9.33	9.36	0.8%	
Electric Generators 4/	3.68	3.78	3.90	3.90	4.28	4.64	4.90	5.00	5.22	5.36	5.64	6.05	6.54	6.83	7.19	7.62	8.07	8.54	8.88	9.30	9.70	9.96	10.23	4.8%	
Lease and Plant Fuel 5/	1.16	1.23	1.22	1.22	1.26	1.30	1.32	1.32	1.35	1.36	1.38	1.41	1.45	1.47	1.50	1.53	1.57	1.60	1.63	1.66	1.69	1.71	1.72	1.6%	
Pipeline Fuel	0.64	0.64	0.64	0.64	0.67	0.70	0.72	0.73	0.76	0.77	0.79	0.82	0.84	0.85	0.86	0.88	0.89	0.91	0.93	0.94	0.96	0.97	0.98	2.0%	
Transportation 6/	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.13	0.14	0.14	11.3%	
Total	21.41	21.41	22.00	22.30	23.18	23.91	24.41	24.65	25.11	25.43	25.87	26.40	27.05	27.47	28.01	28.60	29.22	29.85	30.35	30.91	31.45	31.82	32.22	2.0%	
Discrepancy 7/	0.39	0.74	0.24	0.11	0.07	0.10	0.14	0.15	0.17	0.17	0.18	0.20	0.21	0.19	0.18	0.17	0.19	0.18	0.18	0.18	0.16	0.16	N/A		

1/ Marketed production (wet) minus extraction losses.

2/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

5/ Represents natural gas used in the field gathering and processing plant machinery.

6/ Compressed natural gas used as vehicle fuel.

7/ Balancing item. Natural gas lost as a result of converting flow data measured at varying temperatures and pressures to a standard temperature and pressure and the merger of different data reporting systems which vary in scope, format, definition, and respondent type. In addition, 1998 and 1999 values include net storage injections.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 supply values and consumption as lease, plant, and pipeline fuel: Energy Information Administration (EIA), Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). Other 1998 consumption derived from: EIA, State Energy Data Report 1997, DOE/EIA-0214(97) (Washington, DC, September 1999). 1999 supplemental natural gas: EIA, Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). 1998 imports and dry gas production derived from: EIA, Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). 1999 transportation sector consumption: EIA, AEO2001 National Energy Modeling System run AEO2001.D10160A. Other 1999 consumption: EIA, Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf> with adjustments to end-use sector consumption levels for consumption of natural gas by electric wholesale generators based on EIA, AEO2001 National Energy Modeling System run AEO2001.D10160A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D10160A.

Table 14. Natural Gas Prices, Margins and Revenues (1 of 1)
(1999 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

Prices, Margins, and Revenue	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Source Price																								
Average Lower 48 Wellhead Price 1/	2.02	2.08	3.32	3.30	2.72	2.41	2.29	2.31	2.33	2.37	2.41	2.44	2.49	2.52	2.54	2.55	2.57	2.59	2.61	2.62	2.64	2.65	2.66	1.2%
Average Import Price	1.99	2.29	3.12	3.14	2.82	2.57	2.46	2.43	2.39	2.36	2.34	2.33	2.33	2.33	2.33	2.34	2.35	2.36	2.37	2.38	2.40	2.44	0.3%	
Average 2/	2.01	2.11	3.28	3.27	2.73	2.44	2.32	2.33	2.34	2.37	2.39	2.42	2.46	2.48	2.50	2.51	2.53	2.54	2.56	2.57	2.59	2.60	2.62	1.0%
Delivered Prices																								
Residential	6.92	6.69	7.39	7.91	7.29	6.89	6.68	6.63	6.58	6.56	6.53	6.51	6.50	6.48	6.45	6.43	6.39	6.37	6.35	6.34	6.33	6.32	6.32	-0.3%
Commercial	5.62	5.49	5.86	6.27	5.73	5.41	5.28	5.28	5.30	5.33	5.37	5.40	5.45	5.44	5.43	5.42	5.41	5.41	5.40	5.40	5.40	5.41	5.42	-0.1%
Industrial 3/	2.80	2.87	4.11	4.09	3.53	3.22	3.09	3.09	3.09	3.12	3.14	3.17	3.20	3.22	3.23	3.25	3.26	3.29	3.30	3.32	3.34	3.36	3.38	0.8%
Electric Generators 4/	2.46	2.59	3.98	3.81	3.25	2.93	2.79	2.75	2.78	2.79	2.83	2.86	2.90	2.92	2.95	2.98	3.01	3.05	3.08	3.10	3.13	3.15	3.17	1.0%
Transportation 5/	6.57	7.21	8.15	7.96	7.35	6.97	6.81	6.79	6.80	6.84	6.87	6.90	6.95	6.97	6.99	6.99	6.98	6.97	6.96	6.96	6.96	6.96	6.96	-0.2%
Average 6/	4.13	4.16	5.15	5.33	4.74	4.39	4.23	4.20	4.19	4.20	4.20	4.21	4.20	4.20	4.19	4.17	4.17	4.17	4.17	4.17	4.17	4.18	4.19	0.0%
Transmission and Distribution Margins 7/																								
Residential	4.91	4.58	4.10	4.64	4.55	4.45	4.36	4.29	4.24	4.19	4.14	4.09	4.05	4.00	3.95	3.91	3.87	3.83	3.79	3.76	3.74	3.72	3.70	-1.0%
Commercial	3.60	3.37	2.57	3.00	3.00	2.97	2.95	2.95	2.96	2.96	2.97	2.98	2.99	2.96	2.93	2.91	2.88	2.86	2.84	2.83	2.82	2.81	2.80	-0.9%
Industrial 3/	0.79	0.75	0.82	0.81	0.80	0.78	0.76	0.75	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.0%
Electric Generators 4/	0.44	0.48	0.69	0.54	0.52	0.49	0.47	0.42	0.43	0.42	0.43	0.45	0.44	0.44	0.46	0.47	0.49	0.50	0.52	0.53	0.54	0.55	0.55	0.7%
Transportation 5/	4.56	5.10	4.87	4.69	4.61	4.53	4.48	4.46	4.46	4.47	4.47	4.48	4.49	4.49	4.48	4.47	4.45	4.42	4.40	4.37	4.35	4.34	4.34	-0.8%
Average 6/	2.12	2.04	1.87	2.06	2.01	1.95	1.91	1.87	1.85	1.83	1.81	1.78	1.75	1.72	1.70	1.67	1.65	1.63	1.61	1.60	1.59	1.58	1.57	-1.2%
Transmission and Distribution Revenue																								
(billion 1999 dollars)																								
Residential	22.31	21.61	19.83	23.21	23.31	23.20	23.06	22.83	22.71	22.59	22.51	22.34	22.21	22.10	22.08	21.97	21.89	21.83	21.86	21.80	21.84	21.89	22.03	0.1%
Commercial	10.87	10.36	8.18	9.87	10.24	10.41	10.49	10.56	10.67	10.77	10.87	10.96	11.05	11.00	10.97	10.94	10.89	10.85	10.83	10.79	10.77	10.75	10.73	0.2%
Industrial 3/	6.60	6.00	6.74	6.70	6.70	6.63	6.55	6.52	6.56	6.62	6.64	6.64	6.66	6.64	6.67	6.72	6.74	6.80	6.86	6.92	7.01	7.05	7.08	0.8%
Electric Generators 4/	1.63	1.81	2.71	2.12	2.21	2.27	2.28	2.11	2.26	2.27	2.45	2.69	2.87	3.01	3.28	3.59	3.94	4.29	4.59	4.93	5.26	5.49	5.67	5.6%
Transportation 5/	0.05	0.08	0.10	0.13	0.16	0.18	0.21	0.23	0.26	0.29	0.32	0.35	0.39	0.42	0.45	0.48	0.51	0.53	0.55	0.57	0.59	0.61	0.62	10.4%
Total	41.45	39.86	37.56	42.02	42.62	42.69	42.59	42.25	42.47	42.54	42.79	42.99	43.18	43.18	43.45	43.71	43.96	44.31	44.69	45.01	45.47	45.80	46.13	0.7%

1/ Represents lower 48 onshore and offshore supplies.

2/ Quantity-weighted average of the average lower 48 wellhead price and the average price of imports at the U.S. border.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

5/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

6/ Weighted average prices and margins. Weights used are the sectoral consumption values excluding lease, plant, and pipeline fuel.

7/ Within the table, "transmission and distribution" margins equal the difference between the delivered price and the source price (average of the wellhead price and the price of imports at the U.S. border) of natural gas and, thus, reflect the total cost of bringing natural gas to market. When the term "transmission and distribution" margins is used in today's natural gas market, it generally does not include the cost of independent natural gas marketers or costs associated with aggregation of supplies, provisions of storage, and other services. As used here, the term includes the cost of all services and the cost of pipeline fuel used in compressor stations.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 residential, commercial, and transportation delivered prices; average lower 48 wellhead price; and average import price: Energy Information Administration (EIA), Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). 1998 electric generators delivered price: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 1998 and 1999 industrial delivered prices based on EIA, Manufacturing Energy Consumption Survey 1994. 1999 residential and commercial delivered prices, average lower 48 wellhead price, and average import price: EIA, Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000).

Other 1998 values, other 1999 values, and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 15. Oil and Gas Supply (1 of 1)

Production and Supply	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Crude Oil																								
Lower 48 Average Wellhead Price 1/																								
(1999 dollars per barrel)	11.79	16.49	25.87	23.24	20.81	19.93	19.94	20.06	19.86	19.92	19.99	19.99	20.05	20.11	20.13	20.21	20.26	20.16	20.18	20.21	20.27	20.33	20.40	1.0%
Production (million barrels per day) 2/																								
U.S. Total	6.23	5.88	5.89	5.92	6.00	5.97	5.79	5.65	5.45	5.30	5.25	5.15	5.08	4.99	4.97	4.96	4.92	4.94	4.99	5.00	4.98	4.94	4.86	-0.9%
Lower 48 Onshore	3.60	3.27	3.31	3.31	3.17	3.02	2.88	2.75	2.64	2.56	2.49	2.45	2.42	2.40	2.40	2.41	2.43	2.45	2.49	2.53	2.55	2.56	2.54	-1.2%
Conventional	2.87	2.59	2.67	2.67	2.56	2.41	2.27	2.14	2.03	1.94	1.87	1.81	1.77	1.74	1.72	1.72	1.74	1.76	1.80	1.84	1.87	1.87	-1.5%	
Enhanced Oil Recovery	0.73	0.68	0.65	0.63	0.62	0.61	0.61	0.61	0.61	0.61	0.63	0.64	0.65	0.66	0.68	0.69	0.70	0.72	0.73	0.73	0.71	0.69	0.67	-0.1%
Lower 48 Offshore	1.45	1.56	1.62	1.67	1.87	2.05	2.07	2.11	2.07	2.05	2.09	2.06	2.02	1.95	1.88	1.85	1.82	1.79	1.76	1.73	1.70	1.69	1.68	0.4%
Alaska	1.18	1.05	0.97	0.94	0.96	0.90	0.84	0.79	0.74	0.70	0.66	0.64	0.64	0.64	0.69	0.71	0.68	0.70	0.74	0.75	0.72	0.68	0.64	-2.4%
Lower 48 End of Year Reserves (billion barrels) 2/	17.32	18.33	18.05	17.39	17.08	16.45	16.00	15.43	14.96	14.71	14.36	14.04	13.73	13.45	13.29	13.18	13.11	13.07	13.05	13.06	13.02	12.93	12.89	-1.7%
Natural Gas																								
Lower 48 Average Wellhead Price 1/																								
(1999 dollars per thousand cubic feet)	2.02	2.08	3.32	3.30	2.72	2.41	2.29	2.31	2.33	2.37	2.41	2.44	2.49	2.52	2.54	2.55	2.57	2.59	2.61	2.62	2.64	2.65	2.66	1.2%
Dry Production (trillion cubic feet) 3/																								
U.S. Total	18.71	18.67	18.62	18.58	19.32	19.91	20.22	20.30	20.65	20.87	21.21	21.65	22.27	22.59	23.03	23.52	24.07	24.63	25.06	25.58	26.06	26.39	26.74	1.7%
Lower 48 Onshore	12.84	12.83	13.42	13.61	14.11	14.28	14.16	13.89	13.92	14.00	14.30	14.78	15.38	15.78	16.27	16.77	17.28	17.77	18.14	18.56	18.96	19.23	19.50	2.0%
Associated-Dissolved 4/	1.77	1.80	1.67	1.73	1.73	1.65	1.58	1.52	1.46	1.41	1.37	1.33	1.31	1.29	1.29	1.28	1.28	1.29	1.30	1.32	1.34	1.36	1.37	-1.3%
Non-Associated	11.08	11.03	11.75	11.88	12.38	12.63	12.57	12.37	12.47	12.59	12.94	13.44	14.07	14.49	14.99	15.49	15.99	16.48	16.84	17.25	17.62	17.87	18.13	2.4%
Conventional	6.63	6.64	7.03	7.17	7.56	7.52	7.32	7.06	7.08	7.20	7.45	7.83	8.26	8.63	9.03	9.39	9.74	10.05	10.24	10.44	10.63	10.70	10.78	2.3%
Unconventional	4.45	4.39	4.73	4.71	4.83	5.10	5.25	5.30	5.38	5.39	5.49	5.61	5.80	5.85	5.96	6.10	6.26	6.43	6.60	6.81	6.99	7.17	7.35	2.5%
Lower 48 Offshore	5.44	5.43	4.77	4.54	4.77	5.18	5.61	5.95	6.25	6.39	6.42	6.38	6.39	6.31	6.24	6.23	6.27	6.33	6.39	6.47	6.55	6.60	6.68	1.0%
Associated-Dissolved 4/	0.93	0.93	0.96	0.98	0.99	1.03	1.07	1.07	1.08	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.02	1.01	1.00	1.00	0.99	0.99	0.3%	
Non-Associated	4.51	4.50	3.81	3.57	3.78	4.15	4.54	4.87	5.17	5.32	5.35	5.30	5.31	5.24	5.19	5.19	5.24	5.31	5.37	5.47	5.54	5.60	5.69	1.1%
Alaska	0.43	0.42	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	1.4%
Lower 48 End of Year Dry Reserves 3/																								
(trillion cubic feet)	154.11	157.41	163.74	166.85	167.79	166.71	165.91	164.92	163.74	163.42	163.69	163.94	164.09	164.86	166.66	168.84	171.05	173.37	176.23	178.36	180.40	181.75	182.29	0.7%
feet) 5/	0.10	0.10	0.11	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-2.4%
Lower 48 Wells (thousands)	23.77	17.94	22.83	22.80	21.53	21.25	21.50	22.10	22.39	23.25	24.25	25.30	26.21	26.81	27.47	28.25	28.95	29.47	31.28	31.75	32.45	33.12	34.38	3.1%

1/ Represents lower 48 onshore and offshore supplies.

2/ Includes lease condensate.

3/ Marketed production (wet) minus extraction losses.

4/ Gas which occurs in crude oil reserves either as free gas (associated) or as gas in solution with crude oil (dissolved).

5/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 lower 48 onshore, lower 48 offshore, Alaska crude oil production: Energy Information Administration (EIA), Petroleum Supply Annual 1998, DOE/EIA-0340(98/1) (Washington, DC, June 1999). 1998 U.S. crude oil and natural gas reserves: EIA, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, DOE/EIA-0216(98) (Washington, DC, December 1999). 1998 natural gas lower 48 average wellhead price and total natural gas production: EIA, Natural Gas Annual 1998, DOE/EIA-0131(98) (Washington, DC, October 1999). 1999 lower 48 onshore, lower 48 offshore, and Alaska crude oil production: EIA, Petroleum Supply Annual 1999, DOE/EIA-0340(99/1) (Washington, DC, June 2000). 1999 natural gas lower 48 average wellhead price, Alaska and total natural gas production, and supplemental gas supplies: EIA, Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). Other 1998 and 1999 values: EIA, Office of Integrated Analysis and Forecasting, Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 16. Coal Supply, Disposition, and Prices (1 of 1)
 (Million Short Tons per Year, Unless Otherwise Noted)

Supply, Disposition, and Prices	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Production 1/																								
Appalachia	468	437	424	419	423	418	419	418	408	411	407	401	400	396	394	393	391	389	389	389	386	385	-0.6%	
Interior	171	166	162	163	165	168	165	165	170	174	178	176	168	165	165	167	166	167	166	166	166	154	-0.4%	
West	488	502	525	548	588	606	616	634	641	650	659	663	674	679	685	690	697	702	709	712	715	719	740	1.9%
East of the Mississippi	580	546	530	527	536	537	536	536	531	537	538	534	526	525	521	521	519	518	516	518	517	517	507	-0.4%
West of the Mississippi	547	559	581	603	640	655	665	681	688	697	705	707	717	720	726	731	737	741	748	751	754	772	1.6%	
Total	1127	1105	1111	1130	1176	1192	1201	1217	1219	1234	1243	1240	1243	1244	1247	1251	1256	1259	1264	1269	1270	1272	1279	0.7%
Net Imports																								
Imports	9	9	10	12	13	14	15	16	16	17	17	17	17	18	18	18	18	19	19	19	20	20	3.8%	
Exports	78	58	58	60	60	60	60	60	59	59	59	58	57	56	57	57	54	54	54	55	56	56	-0.2%	
Total	-69	-49	-48	-48	-47	-46	-45	-44	-44	-43	-42	-41	-40	-39	-39	-39	-38	-35	-35	-35	-36	-36	-1.4%	
Total Supply 2/	1058	1056	1063	1083	1129	1146	1155	1173	1176	1192	1201	1199	1203	1205	1208	1213	1218	1224	1228	1233	1234	1235	1243	0.8%
Consumption by Sector																								
Residential and Commercial	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0.4%	
Industrial 3/	81	79	80	80	79	81	81	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83	0.2%	
Coke Plants	28	28	29	29	28	27	26	26	25	24	23	23	23	22	22	21	21	21	20	20	19	19	-1.9%	
Electric Generators 4/	923	923	964	992	1017	1034	1044	1062	1064	1081	1091	1089	1091	1098	1100	1105	1109	1117	1121	1127	1128	1130	1138	1.0%
Total	1037	1035	1078	1106	1130	1147	1157	1174	1177	1193	1203	1200	1202	1208	1210	1214	1218	1226	1230	1235	1236	1237	1245	0.9%
Discrepancy and Stock Change 5/	20	21	-15	-23	-1	-1	-1	-1	-1	-1	-1	-1	0	-3	-2	-2	0	-2	-1	-2	-2	-2	N/A	
Average Minemouth Price																								
(1999 dollars per short ton)	18.02	16.98	16.32	15.75	15.32	15.07	14.80	14.54	14.41	14.27	14.01	13.85	13.74	13.61	13.52	13.45	13.35	13.23	13.18	13.13	13.10	13.04	12.79	-1.3%
(1999 dollars per million Btu)	0.85	0.81	0.79	0.76	0.74	0.73	0.72	0.71	0.70	0.70	0.68	0.68	0.67	0.66	0.66	0.65	0.65	0.65	0.64	0.64	0.64	0.63	-1.2%	
(ton) 6/																								
Industrial	31.91	31.43	31.02	30.43	30.10	29.81	29.50	29.24	29.09	28.89	28.60	28.34	28.17	27.91	27.72	27.56	27.36	27.11	27.01	26.81	26.65	26.45	26.12	-0.9%
Coke Plants	46.44	44.25	44.58	44.30	43.63	43.10	42.66	42.30	42.25	42.00	41.71	41.39	41.10	40.87	40.55	40.27	39.92	39.45	39.31	39.06	38.83	38.58	38.30	-0.7%
Electric Generators																								
(1999 dollars per short ton)	26.00	24.69	24.15	23.83	23.61	23.27	22.89	22.54	22.21	21.77	21.29	20.99	20.86	20.64	20.47	20.31	20.15	19.96	19.73	19.56	19.42	19.18	19.11	-1.2%
(1999 dollars per million Btu)	1.27	1.21	1.20	1.19	1.18	1.16	1.14	1.13	1.11	1.09	1.07	1.05	1.04	1.03	1.03	1.02	1.01	1.00	0.99	0.98	0.98	0.96	0.96	-1.1%
Average	27.02	25.74	25.22	24.84	24.56	24.21	23.81	23.44	23.12	22.67	22.20	21.90	21.75	21.51	21.33	21.16	20.99	20.77	20.55	20.36	20.21	19.97	19.87	-1.2%
Exports 7/	39.84	37.45	37.56	37.55	37.13	36.81	36.42	36.17	36.16	36.00	35.75	35.51	35.38	35.19	35.02	34.76	34.45	34.02	33.85	33.57	33.34	33.07	32.82	-0.6%

1/ Includes anthracite, bituminous coal, lignite, and waste coal delivered to independent power producers. Waste coal deliveries totaled 8.5 million tons in 1995, 8.8 million tons in 1996, 8.1 million tons in 1997, 8.6 million tons in 1998, and are projected to reach 9.6 million tons in 1999, and 12.2 million tons in 2000.

2/ Production plus net imports and net storage withdrawals.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

5/ Balancing item: the sum of production, net imports, and net storage minus total consumption.

6/ Sectoral prices weighted by consumption tonnage; weighted average excludes residential/commercial prices and export free-alongside-ship (f.a.s.) prices.

7/ F.a.s. price at U.S. port of exit.

N/A = Not applicable.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998: Energy Information Administration (EIA). Coal Industry Annual 1998, DOE/EIA-0584(98) (Washington, DC, June 2000). 1999 data based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/1Q) (Washington, DC, August 2000) and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 17. Renewable Energy Generating Capability and Generation (1 of 1)
(Gigawatts, Unless Otherwise Noted)

Capacity and Generation	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
cogenerators) 1/																									
Net Summer Capability																									
Conventional Hydropower	78.12	78.14	78.13	78.21	78.36	78.47	78.54	78.62	78.76	78.76	78.76	78.76	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	0.0%	
Geothermal 2/	2.86	2.87	2.93	2.93	2.93	2.93	2.88	3.12	3.32	3.66	3.85	3.94	4.03	4.06	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	1.7%	
Municipal Solid Waste 3/	2.56	2.59	2.64	2.76	2.78	2.81	3.47	3.63	3.67	3.73	3.81	3.91	4.03	4.17	4.34	4.36	4.38	4.40	4.46	4.48	4.51	4.53	4.54	2.7%	
Wood and Other Biomass 4/	1.46	1.52	1.53	1.54	1.60	1.62	1.66	1.68	1.71	1.76	1.84	1.93	2.04	2.17	2.32	2.32	2.32	2.33	2.37	2.37	2.37	2.37	2.37	2.2%	
Solar Thermal	0.33	0.33	0.33	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	1.7%	
Solar Photovoltaic	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.15	0.18	0.21	0.24	0.27	0.30	0.33	0.37	0.40	0.44	0.47	0.51	0.54	19.4%	
Wind	1.93	2.60	2.76	3.53	3.80	4.01	4.22	4.43	4.65	4.89	5.14	5.41	5.51	5.58	5.67	5.67	5.70	5.73	5.73	5.73	5.73	5.73	5.73	3.8%	
Total	87.28	88.07	88.34	89.32	89.84	90.24	91.19	91.91	92.58	93.30	93.93	94.52	94.95	95.36	95.82	95.87	95.94	96.05	96.24	96.30	96.36	96.43	96.49	0.4%	
Generation (billion kilowatthours)																									
Conventional Hydropower	315.21	307.43	285.64	291.92	298.47	298.80	298.94	299.03	299.43	299.40	299.28	299.17	298.95	298.79	298.69	298.60	298.49	298.39	298.32	298.16	298.05	297.97	297.85	-0.2%	
Geothermal 2/	15.06	13.07	13.39	13.56	13.59	13.60	13.56	15.62	17.17	19.83	21.39	22.07	22.80	23.04	23.22	23.23	23.24	23.24	23.25	23.25	23.26	23.26	2.8%		
Municipal Solid Waste 3/	18.88	18.05	18.36	19.02	19.43	19.64	24.80	26.01	26.29	26.67	27.19	27.84	28.65	29.61	30.73	31.21	31.35	31.49	31.85	32.10	32.28	32.42	32.56	2.9%	
Wood and Other Biomass 4/	6.50	9.49	10.67	13.61	14.59	14.01	15.90	17.23	18.95	19.69	19.94	20.68	21.01	21.06	21.24	21.41	21.20	21.51	21.18	21.23	22.45	22.59	22.85	4.4%	
Dedicated Plants	6.50	7.56	7.70	7.77	8.07	8.29	8.49	8.66	8.85	9.15	9.59	10.16	10.88	11.68	12.62	12.94	12.94	12.99	13.23	13.33	13.33	13.33	13.34	2.7%	
Cofiring	0.00	1.93	2.97	5.85	6.51	5.73	7.41	8.57	10.10	10.54	10.36	10.52	10.13	9.38	8.62	8.46	8.25	8.52	7.95	7.89	9.12	9.26	9.52	8.4%	
Solar Thermal	0.89	0.89	0.89	0.89	0.90	0.91	0.94	0.96	0.98	1.01	1.05	1.08	1.11	1.13	1.15	1.17	1.21	1.24	1.26	1.29	1.31	1.34	1.37	2.1%	
Solar Photovoltaic	0.00	0.03	0.04	0.05	0.07	0.11	0.15	0.20	0.26	0.31	0.37	0.44	0.51	0.59	0.66	0.74	0.83	0.92	1.01	1.10	1.18	1.27	1.36	19.3%	
Wind	2.69	4.46	5.18	6.62	7.73	8.33	8.88	9.42	10.00	10.62	11.26	11.94	12.33	12.52	12.71	12.77	12.78	12.84	12.91	12.93	12.93	12.93	5.2%		
Total	359.23	353.42	334.18	345.69	354.77	355.40	363.16	368.49	373.08	377.54	380.48	383.22	385.36	386.74	388.40	389.12	389.08	389.62	389.77	390.05	391.46	391.79	392.18	0.5%	
Cogenerators 5/																									
Net Summer Capability																									
Municipal Solid Waste	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.0%	
Biomass	4.64	4.65	4.65	4.65	4.65	4.81	4.93	5.08	5.21	5.36	5.49	5.60	5.72	5.80	5.90	6.02	6.11	6.19	6.26	6.33	6.39	6.44	6.50	1.6%	
Total	5.34	5.35	5.35	5.35	5.35	5.51	5.63	5.77	5.91	6.05	6.19	6.29	6.41	6.50	6.59	6.72	6.80	6.89	6.95	7.03	7.08	7.14	7.20	1.4%	
Generation (billion kilowatthours)																									
Municipal Solid Waste	3.91	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	0.0%	
Biomass	27.15	27.08	27.06	27.06	27.06	27.93	28.59	29.41	30.19	31.00	31.76	32.36	33.06	33.54	34.09	34.79	35.28	35.76	36.15	36.57	36.90	37.20	37.54	1.6%	
Total	31.07	31.11	31.08	31.08	31.08	31.96	32.62	33.44	34.21	35.02	35.79	36.38	37.08	37.56	38.11	38.82	39.31	39.78	40.18	40.59	40.92	41.23	41.57	1.4%	
Other End-Use Generators 6/																									
Net Summer Capability																									
Conventional Hydropower 7/	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.0%	
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Solar Photovoltaic	0.01	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.13	0.17	0.22	0.28	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	19.1%	
Total	1.00	1.00	1.00	1.01	1.02	1.04	1.06	1.09	1.12	1.16	1.21	1.28	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.4%	
Generation (billion kilowatthours)																									
Conventional Hydropower 7/	5.97	4.57	4.28	4.36	4.44	4.44	4.44	4.44	4.44	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.42	4.42	4.42	4.42	4.42	4.41	-0.2%	
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Solar Photovoltaic	0.00	0.02	0.03	0.04	0.06	0.09	0.15	0.20	0.28	0.37	0.47	0.61	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	19.2%	
Total	5.97	4.59	4.31	4.40	4.51	4.54	4.58	4.64	4.72	4.80	4.91	5.04	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.17	5.17	5.17	5.17	0.6%	

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers and exempt wholesale generators.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes landfill gas.

4/ Includes projections for energy crops after 2010.

5/ Cogenerators produce electricity and other useful thermal energy.

6/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid. Excludes off-grid photovoltaics and other generators not connected to the distribution or transmission systems.

7/ Represents own-use industrial hydroelectric power.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports. Net summer capability has been estimated for nonutility generators for AEO2001. Net summer capability is used to be consistent with electric utility capacity estimates. Additional retirements are determined on the basis of the size and age of the units.

Sources: 1998 and 1999 electric utility capability: Energy Information Administration (EIA), Form EIA-860A: "Annual Electric Generator Report - Utility." 1998 and 1999 nonutility and cogenerator capability: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D10160A.

Table 18. Renewable Energy, Consumption by Sector and Source 1/ (1 of 1)
(Quadrillion Btu per Year)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Marketed Renewable Energy 2/																								
Residential	0.39	0.41	0.39	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.3%	
Wood	0.39	0.41	0.39	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.3%	
Commercial	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%	
Biomass	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%	
Industrial 3/	2.10	2.15	2.20	2.20	2.25	2.29	2.32	2.35	2.39	2.43	2.46	2.49	2.52	2.54	2.57	2.60	2.63	2.66	2.69	2.71	2.74	2.76	2.78	1.2%
Conventional Hydroelectric	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	N/A	
Municipal Solid Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Biomass	1.91	1.97	2.01	2.02	2.06	2.10	2.13	2.17	2.20	2.24	2.27	2.30	2.33	2.36	2.38	2.42	2.45	2.47	2.50	2.53	2.55	2.57	2.60	1.3%
Transportation	0.11	0.12	0.13	0.14	0.14	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	3.2%
Ethanol used in E85 4/	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Ethanol used in Gasoline Blending	0.11	0.12	0.13	0.13	0.13	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	2.5%
Electric Generators 5/	4.05	3.94	3.74	3.87	3.96	3.97	4.06	4.16	4.25	4.35	4.41	4.44	4.48	4.51	4.54	4.53	4.53	4.54	4.54	4.55	4.56	4.58	4.58	0.7%
Conventional Hydroelectric	3.31	3.17	2.94	3.01	3.07	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.06	3.06	3.06	-0.2%
Geothermal	0.38	0.38	0.39	0.40	0.40	0.39	0.39	0.46	0.51	0.59	0.64	0.65	0.67	0.69	0.70	0.68	0.69	0.69	0.69	0.69	0.70	0.70	2.9%	
Municipal Solid Waste 6/	0.24	0.25	0.25	0.26	0.26	0.27	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.40	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44	2.8%	
Biomass	0.07	0.09	0.10	0.13	0.14	0.13	0.15	0.16	0.18	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	4.5%	
Dedicated Plants	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	2.9%	
Cofiring	0.00	0.02	0.03	0.06	0.06	0.05	0.07	0.08	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.08	0.08	0.07	0.07	0.09	0.09	0.09	8.6%	
Solar Thermal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	5.3%	
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Wind	0.04	0.05	0.05	0.07	0.08	0.09	0.09	0.10	0.10	0.11	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	5.2%	
Total Marketed Renewable Energy	6.73	6.70	6.54	6.72	6.86	6.95	7.08	7.22	7.35	7.49	7.59	7.65	7.72	7.77	7.84	7.86	7.89	7.93	7.96	7.99	8.03	8.08	8.11	0.9%
Non-Marketed Renewable Energy 7/																								
-- Selected Consumption																								
Residential	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.1%	
Solar Hot Water Heating	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.4%	
Geothermal Heat Pumps	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.5%	
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.6%	
Commercial	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.5%	
Solar Thermal	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	1.2%	
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.2%	
Ethanol																								
From Corn	0.11	0.12	0.13	0.14	0.14	0.18	0.18	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	1.6%	
From Cellulose	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	N/A					
Total	0.11	0.12	0.13	0.14	0.14	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	3.2%	

1/ Actual heat rates used to determine fuel consumption for all renewable fuels except hydropower, solar, and wind. Consumption at hydroelectric, solar, and wind facilities determined by using the fossil fuel equivalent of 10,280 Btu per kilowatthour.

2/ Includes nonelectric renewable energy groups for which the energy source is bought and sold in the marketplace, although all transactions may not necessarily be marketed, and marketed renewable energy inputs for electricity entering the marketplace on the electric power grid. Excludes electricity imports; see Table 8.

3/ Includes all electricity production by industrial and other cogenerators for the grid and for own use.

4/ Excludes motor gasoline component of E85.

5/ Includes renewable energy delivered to the grid from electric utilities and nonutilities. Renewable energy used in generating electricity for own use is included in the individual sectoral electricity energy consumption values.

6/ Includes landfill gas.

7/ Includes selected renewable energy consumption data for which the energy is not bought or sold, either directly or indirectly as an input to marketed energy. The Energy Information Administration does not estimate or project total consumption of nonmarketed renewable energy.

N/A = Not applicable.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 and 1999 ethanol: Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). 1998 and 1999 electric generators: EIA, Form EIA-860A: "Annual Electric Generator Report - Utility" and Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 1998 and 1999: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 19. Carbon Dioxide Emissions by Sector and Source (1 of 1)
(Million Metric Tons Carbon Equivalent, Unless Otherwise Noted)

Sector and Source	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Residential																								
Petroleum	24.7	26.0	27.2	28.4	28.2	27.9	27.4	26.9	26.5	25.9	25.5	24.9	24.5	24.3	24.2	23.9	23.8	23.6	23.5	23.3	23.2	23.1	23.1	-0.6%
Natural Gas	67.2	69.5	71.5	74.0	75.7	77.0	78.2	78.6	79.3	79.8	80.5	80.7	81.2	81.7	82.6	83.0	83.7	84.3	85.2	85.7	86.3	87.1	88.0	1.1%
Coal	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.5%
Electricity	194.9	192.6	196.4	202.5	207.9	213.1	217.8	221.3	221.8	225.6	229.0	230.9	234.6	237.5	240.3	243.3	246.5	251.2	254.1	257.5	260.3	262.8	266.8	1.6%
Total	288.0	289.3	296.2	306.1	313.1	319.3	324.7	328.0	328.8	332.6	336.3	337.9	341.6	344.8	348.4	351.5	355.2	360.4	364.1	367.7	371.1	374.2	379.1	1.3%
Commercial																								
Petroleum	13.0	13.7	11.5	12.3	12.6	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.5	12.4	-0.5%
Natural Gas	44.6	45.4	47.0	48.6	50.5	51.8	52.6	53.0	53.4	53.7	54.1	54.4	54.6	55.0	55.3	55.6	55.9	56.1	56.3	56.5	56.6	56.6	56.6	1.1%
Coal	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.4%
Electricity	184.6	182.1	187.8	194.2	199.8	204.7	208.1	211.7	213.5	217.8	220.9	223.5	227.0	230.6	233.0	236.5	239.4	243.2	244.7	247.5	249.1	249.8	251.1	1.5%
Total	243.9	242.9	248.1	256.8	264.6	270.9	275.1	279.2	281.4	286.1	289.5	292.5	296.2	300.1	302.9	306.7	309.9	313.8	315.5	318.5	320.0	322.0	322.0	1.4%
Industrial 1/																								
Petroleum	100.9	104.2	91.9	91.9	92.8	94.2	94.4	95.7	96.5	97.7	98.7	99.4	100.0	100.5	100.4	101.0	101.5	102.1	102.7	103.5	104.2	104.9	105.4	0.1%
Natural Gas 2/	141.2	141.6	137.1	137.6	140.2	142.7	144.2	145.2	147.4	148.7	149.6	150.4	151.6	152.1	153.3	154.5	156.0	157.2	158.1	159.3	160.1	160.8	161.5	0.6%
Coal	57.7	55.9	66.2	65.2	64.9	65.6	65.4	65.5	65.3	65.2	65.0	64.8	64.7	64.5	64.4	64.3	64.2	63.9	63.7	63.6	63.4	63.2	63.1	0.6%
Electricity	179.8	178.8	182.5	180.8	184.0	186.1	185.5	186.6	186.5	188.1	188.8	188.9	190.3	191.2	191.4	193.5	195.5	198.1	199.2	202.0	203.7	205.0	206.9	0.7%
Total	479.5	480.4	477.7	475.4	481.9	488.5	489.5	493.0	495.7	499.7	502.1	503.4	506.5	508.3	509.6	513.2	517.2	521.3	523.8	528.4	531.4	533.9	536.9	0.5%
Transportation																								
Petroleum 3/	471.5	485.8	500.6	507.1	518.4	526.3	534.9	544.3	554.0	562.8	570.9	578.8	586.3	593.1	599.8	607.1	614.9	622.5	629.2	635.5	641.8	647.8	654.1	1.4%
Natural Gas 4/	9.5	9.5	9.8	9.8	10.4	10.9	11.3	11.6	12.0	12.4	12.8	13.2	13.8	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.3	16.6	2.7%
Other 5/	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Electricity	2.9	2.9	3.0	3.1	3.2	3.6	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.2	6.5	6.7	6.9	7.1	7.3	7.4	7.6	4.6%
Total 3/	484.0	498.2	513.4	520.1	532.0	540.9	550.2	560.3	570.7	580.0	588.8	597.4	605.7	612.9	620.1	628.0	636.4	644.5	651.7	658.5	665.3	671.6	678.4	1.5%
Total by Delivered Fuel																								
Petroleum 3/	610.1	629.7	631.2	639.8	652.0	661.1	669.4	679.6	689.8	699.2	707.9	715.9	723.6	730.7	737.2	744.8	752.9	760.9	768.1	774.9	781.7	788.2	795.0	1.1%
Natural Gas	262.5	266.0	265.4	270.0	276.8	282.5	286.3	288.4	292.1	294.6	296.9	298.7	301.1	302.8	305.5	307.7	310.4	312.8	315.2	317.2	319.1	320.9	322.8	0.9%
Coal	60.5	58.8	68.9	68.1	67.8	68.5	68.3	68.5	68.3	68.2	68.1	67.9	67.8	67.7	67.6	67.4	67.4	67.1	66.8	66.7	66.5	66.3	66.2	0.6%
Other 5/	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Electricity	562.2	556.3	569.8	580.5	594.9	607.5	615.4	623.9	626.3	636.4	643.8	648.6	657.4	665.0	670.7	679.4	687.9	699.2	704.9	714.2	720.4	725.0	732.3	1.3%
Total 3/	1495.4	1510.8	1535.4	1558.4	1591.6	1619.7	1639.5	1660.4	1676.6	1698.4	1716.7	1731.2	1750.0	1766.2	1781.0	1799.4	1818.7	1840.1	1855.1	1873.2	1887.8	1900.5	1916.4	1.1%
Electric Generators 6/																								
Petroleum	24.8	20.0	15.1	13.1	9.8	8.9	7.9	6.3	4.9	4.2	3.5	3.3	3.3	3.2	3.2	3.3	3.3	3.4	3.3	3.3	3.4	3.3	3.4	-8.1%
Natural Gas	47.9	45.8	57.3	57.2	62.9	68.0	71.9	73.4	76.6	78.7	82.7	88.7	96.0	100.3	105.4	111.8	118.4	125.3	130.2	136.5	142.3	146.1	150.1	5.8%
Coal	489.5	490.5	497.3	510.2	522.3	530.6	535.6	544.2	544.8	553.5	557.5	556.6	558.1	561.5	562.0	564.4	566.2	570.5	571.4	574.3	574.7	575.6	578.8	0.8%
Total	562.2	556.3	569.8	580.5	594.9	607.5	615.4	623.9	626.3	636.4	643.8	648.6	657.4	665.0	670.7	679.4	687.9	699.2	704.9	714.2	720.4	725.0	732.3	1.3%
Total by Primary Fuel 7/																								
Petroleum 3/	634.9	649.7	646.3	652.9	661.8	670.0	677.3	685.9	694.7	703.4	711.4	719.2	726.9	733.9	740.4	748.0	756.2	764.3	771.4	778.3	785.1	791.5	798.4	1.0%
Natural Gas	310.5	311.8	322.7	327.1	339.7	350.5	358.2	361.8	368.7	373.2	379.6	387.4	397.1	403.1	410.9	419.4	428.9	438.1	445.4	453.8	461.4	467.0	472.9	2.0%
Coal	550.0	549.3	566.3	578.3	590.1	599.2	604.0	612.6	613.1	621.7	625.6	624.5	625.9	629.2	629.6	631.8	633.6	637.6	638.2	641.1	641.2	642.0	645.0	0.8%
Other 5/	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Total 3/	1495.4	1510.8	1535.4	1558.4	1591.6	1619.7	1639.5	1660.4	1676.6	1698.4	1716.7	1731.2	1750.0	1766.2	1781.0	1799.4	1818.7	1840.1	1855.1	1873.2	1887.8	1900.5	1916.4	1.1%
Carbon Dioxide Emissions																								
(tons carbon equivalent per person)	5.5	5.5	5.6	5.6	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.2	6.2	0.5%

1/ Includes consumption by cogenerators.

2/ Includes lease and plant fuel.

3/ This includes international bunker fuel which, by convention are excluded from the international accounting of carbon dioxide emissions. In the years from 1990 through 1998, international bunker fuels accounted for 25 to 30 million metric tons carbon equivalent of carbon dioxide annually.

4/ Includes pipeline fuel natural gas and compressed natural gas used as vehicle fuel.

5/ Includes methanol and liquid hydrogen.

6/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators. Does not include emissions from the nonbiogenic component of municipal solid waste because under international guidelines these are accounted for as waste not energy.

7/ Emissions from electric power generators are distributed to the primary fuels.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 and 1999 emissions and emission factors: Energy Information Administration (EIA), Emissions of Greenhouse Gases in the United States 1999, DOE/EIA-0573(99) (Washington, DC, October 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D10160A.

Table 20. Macroeconomic Indicators (1 of 1)
(Billion 1996 Chain-Weighted Dollars, Unless Otherwise Noted)

Indicators	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
GDP Chain-Type Price Index (1996=1.000)	1.029	1.045	1.068	1.097	1.124	1.155	1.188	1.221	1.254	1.287	1.321	1.356	1.391	1.427	1.464	1.504	1.546	1.592	1.644	1.700	1.762	1.831	1.907	2.9%
Real Gross Domestic Product	8516	8876	9338	9490	9804	10082	10339	10619	10879	11153	11440	11714	12000	12282	12590	12900	13215	13495	13752	14020	14269	14515	14757	2.5%
Real Consumption	5689	5990	6298	6426	6614	6799	6987	7184	7363	7552	7751	7948	8143	8341	8556	8784	9012	9222	9418	9623	9818	10011	10198	2.6%
Real Investment	1512	1611	1792	1776	1911	2031	2119	2220	2299	2388	2480	2556	2636	2728	2843	2938	3047	3118	3167	3240	3300	3357	3407	3.6%
Real Government Spending	1486	1536	1583	1592	1604	1618	1634	1657	1678	1698	1719	1740	1767	1782	1799	1819	1841	1863	1883	1902	1922	1945	1976	1.2%
Real Exports	1008	1037	1133	1211	1308	1409	1510	1618	1735	1857	1988	2129	2278	2429	2587	2752	2923	3104	3283	3467	3658	3851	4048	6.7%
Real Imports	1225	1356	1534	1593	1698	1827	1958	2097	2219	2353	2496	2648	2803	2963	3145	3333	3534	3734	3922	4132	4348	4574	4811	6.2%
Real Disposable Personal Income	6165	6363	6551	6742	6934	7105	7284	7498	7714	7906	8113	8330	8537	8736	8961	9201	9456	9726	9958	10186	10427	10665	10907	2.6%
AA Utility Bond Rate (percent)	6.24	7.05	7.93	7.63	7.39	7.33	7.49	8.09	8.78	9.20	9.49	9.77	9.90	9.95	9.86	9.75	9.60	9.81	10.21	10.48	11.17	11.58	11.99	2.6%
Real Yield on Government 10 Year Bonds (percent)	4.29	4.75	4.90	4.17	3.89	3.66	3.50	3.86	4.36	4.76	5.05	5.27	5.41	5.50	5.52	5.50	5.41	5.59	5.85	5.98	6.49	6.73	6.99	N/A
Real Utility Bond Rate (percent)	4.66	5.58	6.26	5.47	4.93	4.68	4.81	5.28	6.01	6.50	6.83	7.12	7.27	7.34	7.26	7.13	6.90	6.97	7.20	7.26	7.73	7.91	8.08	N/A
Energy Intensity (thousand Btu per 1996 dollar of GDP)																								
Delivered Energy	8.28	8.08	7.81	7.78	7.68	7.60	7.50	7.40	7.32	7.22	7.12	7.02	6.93	6.83	6.72	6.62	6.53	6.45	6.39	6.31	6.25	6.19	6.14	N/A
Total Energy	11.14	10.84	10.46	10.41	10.30	10.19	10.05	9.90	9.77	9.64	9.49	9.35	9.21	9.07	8.92	8.77	8.63	8.53	8.43	8.32	8.23	8.14	8.07	-1.4%
Consumer Price Index (1982-4=1.00)	1.63	1.67	1.72	1.77	1.82	1.88	1.95	2.01	2.08	2.15	2.21	2.28	2.36	2.43	2.51	2.59	2.68	2.78	2.88	3.00	3.13	3.27	3.42	3.5%
Unemployment Rate (percent)	4.50	4.22	4.04	4.71	4.59	4.50	4.58	4.67	4.94	5.15	5.26	5.36	5.39	5.41	5.23	5.07	4.92	4.88	4.95	4.99	5.01	5.02	5.04	0.8%
Housing Starts (millions)																								
Single-Family	1.28	1.34	1.27	1.18	1.19	1.20	1.20	1.16	1.09	1.05	1.02	0.98	0.97	1.01	1.03	1.04	1.05	1.03	1.02	1.01	1.00	0.98	0.96	N/A
Multifamily	0.34	0.34	0.34	0.35	0.37	0.37	0.37	0.35	0.33	0.34	0.35	0.35	0.35	0.38	0.40	0.41	0.41	0.41	0.40	0.40	0.39	0.39	0.38	0.6%
Mobile Home Shipments	0.37	0.35	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.29	0.30	0.31	0.31	0.31	0.31	0.32	0.31	0.31	0.31	0.31	-0.5%
Commercial Floorspace, Total (billion square feet)	61.5	62.8	64.3	65.6	67.0	68.0	68.8	69.6	70.4	71.2	71.9	72.6	73.2	73.8	74.4	74.9	75.3	75.7	76.0	76.2	76.3	76.4	76.4	0.9%
Gross Output (billion 1992 dollars)																								
Total Industrial	4654	4722	4843	4785	4958	5082	5160	5294	5442	5574	5703	5814	5942	6054	6170	6305	6453	6601	6737	6890	7041	7200	7359	2.1%
Non-Manufacturing	950	972	993	974	995	1009	1018	1030	1046	1060	1072	1081	1092	1101	1109	1121	1139	1157	1171	1182	1193	1201	1210	1.0%
Manufacturing	3704	3749	3850	3811	3963	4073	4142	4264	4396	4514	4631	4732	4850	4953	5060	5184	5314	5444	5566	5708	5848	5999	6149	2.4%
Energy Intensive	1064	1078	1094	1094	1113	1124	1130	1140	1149	1160	1170	1178	1187	1194	1202	1212	1221	1230	1237	1246	1254	1261	1267	0.8%
Non-Intensive	2640	2672	2755	2717	2850	2949	3012	3124	3247	3354	3461	3555	3663	3759	3858	3973	4093	4214	4329	4462	4595	4738	4882	2.9%
Unit Sales of Light-Duty Vehicles (millions)	15.55	16.89	17.44	15.58	15.55	15.73	15.69	15.69	15.58	15.40	15.25	15.17	15.11	15.31	15.48	15.70	15.97	16.08	15.92	15.73	15.54	15.39	15.32	-0.5%
Millions of People																								
Population with Armed Forces Overseas	270.6	273.1	275.6	276.5	278.3	280.2	282.0	283.8	285.6	287.4	289.2	290.9	292.7	294.4	296.2	298.0	299.8	301.6	303.4	305.2	307.0	308.8	310.7	0.6%
Population (aged 16 and over)	208.6	210.9	213.1	214.1	216.0	217.9	219.8	221.7	223.7	225.7	227.6	229.4	231.1	232.8	234.3	235.8	237.3	238.7	240.2	241.5	242.9	244.3	245.7	0.7%
Employment, Non-Agriculture	125.9	128.5	130.4	130.0	132.1	134.2	135.7	137.5	139.4	141.2	142.8	144.1	145.4	146.2	146.9	147.7	148.8	150.0	150.9	151.8	152.6	153.2	153.9	0.9%
Employment, Manufacturing	18.9	18.7	18.4	17.8	17.8	17.9	17.8	17.8	17.8	17.8	17.7	17.6	17.4	17.3	17.2	17.0	16.9	16.8	16.7	16.7	16.6	16.5	-0.6%	
Labor Force	137.7	139.4	141.0	141.4	143.0	144.5	146.0	147.5	149.0	150.4	151.6	152.8	154.0	155.0	155.5	156.3	157.2	158.0	158.7	159.2	159.7	160.2	160.7	0.7%

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 1998 and 1999: Standard & Poor's DRI, Simulation T250200. Projections: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 21. International Petroleum Supply and Disposition Summary (1 of 2)
 (Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
World Oil Price (1999 dollars per barrel) 1/	12.02	17.35	27.59	23.75	21.35	20.40	20.44	20.49	20.53	20.57	20.61	20.66	20.70	20.75	20.80	20.83	20.89	20.93	20.98	21.04	21.07	21.13	21.16	1.0%	
Production 2/																									
OECD																									
United States (50 states)	9.19	9.22	9.17	9.03	9.17	9.20	9.04	8.94	8.77	8.60	8.58	8.55	8.52	8.48	8.48	8.52	8.52	8.60	8.68	8.76	8.79	8.80	8.77	-0.2%	
Canada	2.70	2.63	2.72	2.80	2.85	2.89	2.94	2.98	3.02	3.07	3.11	3.15	3.20	3.23	3.27	3.30	3.34	3.38	3.39	3.39	3.40	3.41	3.42	1.3%	
Mexico	3.52	3.37	3.60	3.68	3.71	3.73	3.75	3.76	3.81	3.85	3.90	3.94	3.97	3.95	3.93	3.91	3.90	3.87	3.85	3.83	3.81	3.79	3.79	0.6%	
OECD Europe 3/	6.95	7.02	7.28	7.32	7.46	7.58	7.69	7.80	7.78	7.76	7.74	7.71	7.67	7.54	7.40	7.27	7.14	7.01	6.91	6.81	6.71	6.61	6.51	-0.4%	
Other OECD	0.77	0.76	0.98	1.00	0.99	0.98	0.97	0.97	0.97	0.97	0.97	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.76		
Total OECD	23.14	23.00	23.75	23.84	24.18	24.39	24.49	24.45	24.35	24.24	24.30	24.32	24.35	24.18	24.07	23.98	23.86	23.82	23.78	23.73	23.64	23.53	23.38	0.1%	
Developing Countries																									
Other South and Central America	3.64	3.85	3.72	3.76	3.83	3.91	3.99	4.07	4.17	4.28	4.39	4.49	4.60	4.70	4.80	4.90	5.00	5.10	5.17	5.24	5.31	5.38	5.45	1.7%	
Pacific Rim	2.19	2.30	2.29	2.34	2.37	2.40	2.43	2.46	2.57	2.67	2.78	2.89	3.01	3.04	3.07	3.10	3.13	3.16	3.18	3.20	3.22	3.24	3.26	1.7%	
OPEC	31.33	29.87	30.88	31.35	32.09	32.96	34.54	36.30	37.57	38.80	39.82	40.85	41.84	43.27	44.67	46.08	47.39	48.62	50.20	51.83	53.53	55.31	57.18	3.1%	
Other Developing Countries	4.69	4.81	5.01	5.14	5.13	5.14	5.15	5.08	5.19	5.33	5.48	5.63	5.79	6.03	6.27	6.53	6.80	7.08	7.31	7.54	7.78	8.03	8.28	2.6%	
Total Developing Countries	41.86	40.84	41.89	42.58	43.42	44.40	46.11	47.92	49.50	51.08	52.46	53.86	55.23	57.03	58.81	60.61	62.33	63.97	65.87	67.82	69.85	71.96	74.17	2.9%	
Eurasia																									
Former Soviet Union	7.24	7.40	7.59	7.73	7.79	7.84	7.91	7.98	8.45	8.95	9.48	10.05	10.66	11.08	11.51	11.97	12.44	12.94	13.19	13.45	13.72	13.99	14.27	3.2%	
Eastern Europe	0.25	0.24	0.24	0.24	0.26	0.27	0.29	0.30	0.32	0.33	0.35	0.36	0.38	0.39	0.39	0.40	0.41	0.42	0.42	0.43	0.44	0.44	0.45	3.1%	
China	3.20	3.21	3.28	3.29	3.30	3.30	3.32	3.34	3.38	3.41	3.45	3.48	3.52	3.54	3.56	3.58	3.59	3.61	3.61	3.62	3.62	3.62	3.62	0.6%	
Total Eurasia	10.69	10.85	11.11	11.26	11.34	11.42	11.52	11.63	12.14	12.69	13.28	13.90	14.56	15.00	15.46	15.95	16.45	16.97	17.23	17.50	17.77	18.05	18.33	2.5%	
Total Production	75.68	74.68	76.75	77.68	78.94	80.21	82.03	84.00	85.99	88.02	90.03	92.08	94.14	96.21	98.34	100.54	102.63	104.75	106.87	109.05	111.26	113.54	115.88	2.1%	
Consumption																									
OECD																									
United States (50 states)	18.92	19.50	19.51	19.75	20.00	20.24	20.44	20.68	20.94	21.17	21.39	21.62	21.83	22.02	22.21	22.42	22.66	22.89	23.09	23.29	23.48	23.66	23.85	1.0%	
United States Territories	0.31	0.34	0.36	0.36	0.36	0.37	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.42	0.43	0.44	0.44	0.44	0.45	0.46	0.46	0.47	0.47	1.6%	
Canada	1.86	1.92	1.86	1.89	1.91	1.94	1.97	2.00	2.03	2.05	2.07	2.09	2.11	2.13	2.15	2.16	2.18	2.19	2.19	2.20	2.21	2.20	2.20	0.7%	
Mexico	1.96	2.00	2.03	2.09	2.11	2.12	2.21	2.31	2.40	2.49	2.60	2.70	2.80	2.90	3.01	3.12	3.23	3.34	3.46	3.58	3.71	3.84	3.98	3.3%	
Japan	5.51	5.56	5.43	5.40	5.53	5.55	5.59	5.63	5.68	5.73	5.79	5.84	5.90	5.96	6.01	6.06	6.11	6.16	6.16	6.23	6.26	6.30	6.33	0.6%	
Australia and New Zealand	0.96	0.98	1.01	1.01	1.01	1.01	1.02	1.02	1.04	1.05	1.07	1.08	1.10	1.11	1.12	1.14	1.15	1.17	1.18	1.20	1.21	1.22	1.23	1.1%	
OECD Europe 3/	14.73	14.50	14.31	14.41	14.89	15.07	15.22	15.36	15.48	15.58	15.68	15.77	15.87	15.96	16.05	16.13	16.20	16.28	16.35	16.42	16.50	16.57	16.64	0.7%	
Total OECD	44.24	44.81	44.50	44.91	45.81	46.31	46.84	47.38	47.95	48.47	49.00	49.52	50.03	50.50	50.98	51.47	51.97	52.47	52.92	53.37	53.81	54.26	54.72	1.0%	
Developing Countries																									
Other South and Central America	4.07	4.14	4.24	4.39	4.45	4.50	4.68	4.86	5.06	5.25	5.46	5.66	5.87	6.08	6.30	6.53	6.76	7.01	7.27	7.54	7.82	8.12	8.44	3.4%	
Pacific Rim	7.40	7.64	7.96	8.41	9.05	9.55	9.99	10.41	10.81	11.21	11.61	11.99	12.37	12.75	13.13	13.50	13.87	14.24	14.60	14.97	15.34	15.72	16.11	3.6%	
OPEC	5.60	5.68	5.81	5.95	5.96	5.97	6.21	6.46	6.72	6.98	7.25	7.51	7.78	8.06	8.34	8.63	8.93	9.24	9.56	9.90	10.25	10.61	10.99	3.2%	
Other Developing Countries	3.71	3.75	3.76	3.80	3.75	3.71	3.68	3.77	3.88	3.99	4.10	4.21	4.33	4.45	4.58	4.71	4.85	5.00	5.15	5.32	5.49	5.67	5.87	2.2%	
Total Developing Countries	20.78	21.22	21.77	22.54	23.20	23.73	24.56	25.50	26.46	27.43	28.41	29.38	30.36	31.35	32.35	33.37	34.41	35.48	36.58	37.73	38.91	40.13	41.40	3.2%	
Eurasia																									
Former Soviet Union	3.77	3.64	3.62	3.66	3.92	4.07	4.23	4.40	4.57	4.74	4.93	5.11	5.31	5.51	5.71	5.92	6.13	6.36	6.59	6.83	7.08	7.34	7.60	3.6%	
Eastern Europe	1.47	1.53	1.57	1.57	1.58	1.59	1.60	1.61	1.63	1.64	1.66	1.67	1.69	1.71	1.72	1.73	1.74	1.75	1.76	1.77	1.77	1.78	1.79	0.8%	
China	4.11	4.31	4.45	4.66	4.72	4.79	5.08	5.39	5.69	6.02	6.34	6.69	7.05	7.45	7.88	8.34	8.68	9.00	9.32	9.64	9.98	10.32	10.67	4.4%	
Total Eurasia	9.35	9.48	9.64	9.89	10.22	10.46	10.91	11.39	11.88	12.40	12.93	13.47	14.05	14.66	15.30	15.98	16.55	17.11	17.67	18.24	18.83	19.44	20.06	3.6%	
Total Consumption	74.37	75.51	75.98	77.35	79.24	80.51	82.33	84.30	86.29	88.32	90.33	92.38	94.44	96.51	98.64	100.84	102.93	105.05	107.17	109.35	111.56	113.84	116.18	2.1%	
Non-OPEC Production	44.35	44.81	45.87	46.33	46.86	47.26	47.48	47.69	48.42	49.22	50.22	51.22	52.30	52.94	53.67	54.46	55.24	56.14	56.67	57.22	57.73	58.23	58.70	1.3%	
Net Eurasia Exports	1.34	1.37	1.47	1.37	1.12	0.97	0.61	0.23	0.26	0.29	0.35	0.43	0.50	0.34	0.16	-0.04	-0.11	-0.14	-0.44	-0.75	-1.06	-1.39	-1.73	N/A	
OPEC Market Share	0.41	0.40	0.40	0.40	0.41	0.41	0.42	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.49	0.49	1.0%		

1/ Average refiner acquisition cost of imported crude oil.

2/ Includes production of crude oil (including lease condensates), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and refinery gains.

3/ OECD Europe includes the unified Germany.

OECD = Organization for Economic Cooperation and Development - Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States (including territories).

Pacific Rim = Hong Kong, Malaysia, Philippines, Singapore, South Korea, Taiwan, and Thailand.

OPEC = Organization of Petroleum Exporting Countries - Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Saudi Arabia, the United Arab Emirates, and Venezuela.

Eurasia = Albania, Bulgaria, China, Czech Republic, Hungary, Poland, Romania, Slovakia, the Former Soviet Union, and the Former Yugoslavia.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

Sources: 1998 and 1999 data derived from: Energy Information Administration (EIA), Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/forecasting/steo/oldsteos/sep00.pdf>. Projections: EIA, AEO2001

National Energy Modeling System run AEO2001.D101600A.</